
ASPNETDB Database

Table of Contents

ASPNETDB Database	4
Tables.....	5
aspnet_Applications.....	6
aspnet_Membership.....	8
aspnet_Paths.....	10
aspnet_PersonalizationAllUsers.....	11
aspnet_PersonalizationPerUser.....	12
aspnet_Profile.....	14
aspnet_Roles.....	15
aspnet_SchemaVersions.....	16
aspnet_Users.....	17
aspnet_UsersInRoles.....	19
aspnet_WebEvent_Events.....	20
Views.....	22
vw_aspnet_Applications.....	23
vw_aspnet_MembershipUsers.....	24
vw_aspnet_Profiles.....	26
vw_aspnet_Roles.....	27
vw_aspnet_Users.....	28
vw_aspnet_UsersInRoles.....	29
vw_aspnet_WebPartState_Paths.....	30
vw_aspnet_WebPartState_Shared.....	31
vw_aspnet_WebPartState_User.....	32
Procedures.....	33
aspnet_AnyDataInTables.....	36
aspnet_Applications_CreateApplication.....	38
aspnet_CheckSchemaVersion.....	40
aspnet_Membership_ChangePasswordQuestionAndAnswer.....	41
aspnet_Membership_CreateUser.....	42
aspnet_Membership_FindUsersByEmail.....	46
aspnet_Membership_FindUsersByName.....	48
aspnet_Membership_GetAllUsers.....	50
aspnet_Membership_GetNumberOfUsersOnline.....	52
aspnet_Membership_GetPassword.....	53
aspnet_Membership_GetPasswordWithFormat.....	56
aspnet_Membership_GetUserByEmail.....	58
aspnet_Membership_GetUserByName.....	59
aspnet_Membership_GetUserById.....	61
aspnet_Membership_ResetPassword.....	62
aspnet_Membership_SetPassword.....	65
aspnet_Membership_UnlockUser.....	66
aspnet_Membership_UpdateUser.....	67
aspnet_Membership_UpdateUserInfo.....	69
aspnet_Paths_CreatePath.....	72
aspnet_Personalization_GetApplicationId.....	73
aspnet_PersonalizationAdministration_DeleteAllState.....	74
aspnet_PersonalizationAdministration_FindState.....	75
aspnet_PersonalizationAdministration_GetCountOfState.....	78
aspnet_PersonalizationAdministration_ResetSharedState.....	79
aspnet_PersonalizationAdministration_ResetUserState.....	80

aspnet_PersonalizationAllUsers_GetPageSettings.....	81
aspnet_PersonalizationAllUsers_ResetPageSettings.....	82
aspnet_PersonalizationAllUsers_SetPageSettings.....	83
aspnet_PersonalizationPerUser_GetPageSettings.....	84
aspnet_PersonalizationPerUser_ResetPageSettings.....	86
aspnet_PersonalizationPerUser_SetPageSettings.....	88
aspnet_Profile_DeletelnactiveProfiles.....	90
aspnet_Profile_DeleteProfiles.....	91
aspnet_Profile_GetNumberOflnactiveProfiles.....	93
aspnet_Profile_GetProfiles.....	94
aspnet_Profile_GetProperties.....	96
aspnet_Profile_SetProperties.....	97
aspnet_RegisterSchemaVersion.....	100
aspnet_Roles_CreateRole.....	101
aspnet_Roles_DeleteRole.....	103
aspnet_Roles_GetAllRoles.....	105
aspnet_Roles_RoleExists.....	106
aspnet_Setup_RemoveAllRoleMembers.....	107
aspnet_Setup_RestorePermissions.....	108
aspnet_UnRegisterSchemaVersion.....	109
aspnet_Users_CreateUser.....	110
aspnet_Users_DeleteUser.....	111
aspnet_UserslnRoles_AddUsersToRoles.....	114
aspnet_UserslnRoles_FindUserslnRole.....	117
aspnet_UserslnRoles_GetRolesForUser.....	118
aspnet_UserslnRoles_GetUserslnRoles.....	119
aspnet_UserslnRoles_IsUserlnRole.....	120
aspnet_UserslnRoles_RemoveUsersFromRoles.....	121
aspnet_WebEvent_LogEvent.....	124

ASPNETDB Database

Description

ASP.NET 2.0 Provider Database

Remarks

The ASPNETDB is used by ASP.NET 2.0 providers to persist state in SQL Server. This database is typically created using the aspnet_regsql.exe tool that comes with ASP.NET.

ASP.NET 2.0 includes the following types of providers:

- Membership
- Role Management
- Site Map
- Profile
- Session State
- Web Events
- Web Parts Personalization
- Protected Configuration

For more information about ASP.NET 2.0 Providers, please visit the following MSDN article:

[Microsoft ASP.NET 2.0 Providers](#)

See Also

[Tables](#) | [Views](#) | [Procedures](#)

Tables: ASPNETDB**Tables**

Name	Description
aspnet_Applications	Used by ASP.NET features to provide an application scope for data.
aspnet_Membership	Used by the SQL Membership Provider to store membership data.
aspnet_Paths	Used by the SQL Personalization Provider to store the path for which Web Parts personalization state has been saved.
aspnet_PersonalizationAllUsers	Used by the SQL Personalization Provider to store shared personalization data.
aspnet_PersonalizationPerUser	Used by the SQL Personalization Provider to store per-user personalization data.
aspnet_Profile	Used by the SQL Profile Provider to store individual instances of property values.
aspnet_Roles	Used by the SQL Role Provider to store role data.
aspnet_SchemaVersions	Used to track the versions of schemas required by ASP.NET features.
aspnet_Users	Used to store information regarding users, including user names and IDs.
aspnet_UsersInRoles	Used by the SQL Role Provider to map roles to users.
aspnet_WebEvent_Events	Used by the SQL Web Event Provider to log event data.

Table: aspnet_Applications**Description**

Used by ASP.NET features to provide an application scope for data.

Columns

Name	Type	Required?	Defaults To	Description
ApplicationName	nvarchar(256)	Yes		Application name
LoweredApplicationName	nvarchar(256)	Yes		Application name (lowercase)
ApplicationId	uniqueidentifier	Yes	(newid())	Application ID
Description	nvarchar(256)	No		Application description

Relationships

Primary Table	Primary Key	Foreign Table	Foreign Key
aspnet_Applications	ApplicationId	aspnet_Users	ApplicationId
aspnet_Applications	ApplicationId	aspnet_Membership	ApplicationId
aspnet_Applications	ApplicationId	aspnet_Roles	ApplicationId
aspnet_Applications	ApplicationId	aspnet_Paths	ApplicationId

Indexes

Name	Type	Columns
aspnet_Applications_Index	Non-unique, Clustered	LoweredApplicationName
PK__aspnet_Applications_7E6CC920	Unique	ApplicationId
UQ__aspnet_Applications_00551192	Unique	ApplicationName
UQ__aspnet_Applications_7F60ED59	Unique	LoweredApplicationName

Referencing Views

Name
vw_aspnet_Applications

Definition

```
CREATE TABLE [aspnet_Applications]
(
  [ApplicationName] nvarchar(256) NOT NULL,
  [LoweredApplicationName] nvarchar(256) NOT NULL,
  [ApplicationId] uniqueidentifier NOT NULL DEFAULT ((newid())),
  [Description] nvarchar(256) NULL
)
```

Definition

```
CONSTRAINT [PK_aspnet_Applications] PRIMARY KEY  
(  
    [ApplicationId]  
)
```

Table: aspnet_Membership**Description**

Used by the SQL Membership Provider to store membership data.

Columns

Name	Type	Required?	Defaults To	Description
ApplicationId	uniqueidentifier	Yes		Application ID
UserId	uniqueidentifier	Yes		User ID
Password	nvarchar(128)	Yes		Password (plaintext, hashed, or encrypted; base-64-encoded if hashed or encrypted)
PasswordFormat	int	Yes	((0))	Password format (0=Plaintext, 1=Hashed, 2=Encrypted)
PasswordSalt	nvarchar(128)	Yes		Randomly generated 128-bit value used to salt password hashes; stored in base-64-encoded form
MobilePIN	nvarchar(16)	No		User's mobile PIN (currently not used)
Email	nvarchar(256)	No		User's e-mail address
LoweredEmail	nvarchar(256)	No		User's e-mail address (lowercase)
PasswordQuestion	nvarchar(256)	No		Password question
PasswordAnswer	nvarchar(128)	No		Answer to password question
IsApproved	bit	Yes		1=Approved, 0=Not approved
IsLockedOut	bit	Yes		1=Locked out, 0=Not locked out
CreateDate	datetime	Yes		Date and time this account was created
LastLoginDate	datetime	Yes		Date and time of this user's last login
LastPasswordChangedDate	datetime	Yes		Date and time this user's password was last changed
LastLockoutDate	datetime	Yes		Date and time this user was last locked out
FailedPasswordAttemptCount	int	Yes		Number of consecutive failed login attempts
FailedPasswordAttemptWindowStart	datetime	Yes		Date and time of first failed login if FailedPasswordAttemptCount is nonzero
FailedPasswordAnswerAttemptCount	int	Yes		Number of consecutive failed password answer attempts
FailedPasswordAnswerAttemptWindowStart	datetime	Yes		Date and time of first failed password answer if FailedPasswordAnswerAttemptCount is nonzero
Comment	ntext	No		Additional text

Relationships

Primary Table	Primary Key	Foreign Table	Foreign Key
aspnet_Applications	ApplicationId	aspnet_Membership	ApplicationId
aspnet_Users	UserId	aspnet_Membership	UserId

Indexes

Name	Type	Columns
aspnet_Membership_index	Non-unique, Clustered	ApplicationId, LoweredEmail
PK_aspnet_Membership_1367E606	Unique	UserId

Referencing Views

Name
vw_aspnet_MembershipUsers

Definition

```
CREATE TABLE [aspnet_Membership]
(
    [ApplicationId] uniqueidentifier NOT NULL,
    [UserId] uniqueidentifier NOT NULL,
    [Password] nvarchar(128) NOT NULL,
    [PasswordFormat] int NOT NULL DEFAULT ((0)),
    [PasswordSalt] nvarchar(128) NOT NULL,
    [MobilePIN] nvarchar(16) NULL,
    [Email] nvarchar(256) NULL,
    [LoweredEmail] nvarchar(256) NULL,
    [PasswordQuestion] nvarchar(256) NULL,
    [PasswordAnswer] nvarchar(128) NULL,
    [IsApproved] bit NOT NULL,
    [IsLockedOut] bit NOT NULL,
    [CreateDate] datetime NOT NULL,
    [LastLoginDate] datetime NOT NULL,
    [LastPasswordChangedDate] datetime NOT NULL,
    [LastLockoutDate] datetime NOT NULL,
    [FailedPasswordAttemptCount] int NOT NULL,
    [FailedPasswordAttemptWindowStart] datetime NOT NULL,
    [FailedPasswordAnswerAttemptCount] int NOT NULL,
    [FailedPasswordAnswerAttemptWindowStart] datetime NOT NULL,
    [Comment] ntext NULL
    CONSTRAINT [PK_aspnet_Membership] PRIMARY KEY
    (
        [UserId]
    )
)
```

Table: aspnet_Paths

Description

Used by the SQL Personalization Provider to store the path for which Web Parts personalization state has been saved.

Columns

Name	Type	Required?	Defaults To	Description
ApplicationId	uniqueidentifier	Yes		Application ID
PathId	uniqueidentifier	Yes	(newid())	Path ID
Path	nvarchar(256)	Yes		Path name
LoweredPath	nvarchar(256)	Yes		Path name (lowercase)

Relationships

Primary Table	Primary Key	Foreign Table	Foreign Key
aspnet_Applications	ApplicationId	aspnet_Paths	ApplicationId
aspnet_Paths	PathId	aspnet_PersonalizationAllUsers	PathId
aspnet_Paths	PathId	aspnet_PersonalizationPerUser	PathId

Indexes

Name	Type	Columns
aspnet_Paths_index	Unique, Clustered	ApplicationId, LoweredPath
PK_aspnet_Paths__44FF419A	Unique	PathId

Referencing Views

Name
vw_aspnet_WebPartState_Paths

Definition

```
CREATE TABLE [aspnet_Paths]
(
  [ApplicationId] uniqueidentifier NOT NULL,
  [PathId] uniqueidentifier NOT NULL DEFAULT ((newid())),
  [Path] nvarchar(256) NOT NULL,
  [LoweredPath] nvarchar(256) NOT NULL
  CONSTRAINT [PK_aspnet_Paths] PRIMARY KEY
  (
    [PathId]
  )
)
```

Table: aspnet_PersonalizationAllUsers

Description

Used by the SQL Personalization Provider to store shared personalization data.

Columns

Name	Type	Required?	Defaults To	Description
PathId	uniqueidentifier	Yes		ID of the virtual path to which this state pertains
PageSettings	image	Yes		Serialized personalization state
LastUpdatedDate	datetime	Yes		Date and time state was saved

Relationships

Primary Table	Primary Key	Foreign Table	Foreign Key
aspnet_Paths	PathId	aspnet_PersonalizationAllUsers	PathId

Indexes

Name	Type	Columns
PK__aspnet_Personali__4AB81AF0	Unique, Clustered	PathId

Referencing Views

Name
vw_aspnet_WebPartState_Shared

Definition

```
CREATE TABLE [aspnet_PersonalizationAllUsers]
(
    [PathId] uniqueidentifier NOT NULL,
    [PageSettings] image NOT NULL,
    [LastUpdatedDate] datetime NOT NULL
    CONSTRAINT [PK_aspnet_PersonalizationAllUsers] PRIMARY KEY
    (
        [PathId]
    )
)
```

Table: aspnet_PersonalizationPerUser

Description

Used by the SQL Personalization Provider to store per-user personalization data.

Columns

Name	Type	Required?	Defaults To	Description
Id	uniqueidentifier	Yes	(newid())	ID of this record
PathId	uniqueidentifier	No		ID of the virtual path to which this state pertains
UserId	uniqueidentifier	No		ID of the user to which this state pertains
PageSettings	image	Yes		Serialized personalization state
LastUpdatedDate	datetime	Yes		Date and time state was saved

Relationships

Primary Table	Primary Key	Foreign Table	Foreign Key
aspnet_Paths	PathId	aspnet_PersonalizationPerUser	PathId
aspnet_Users	UserId	aspnet_PersonalizationPerUser	UserId

Indexes

Name	Type	Columns
aspnet_PersonalizationPerUser_index1	Unique, Clustered	PathId, UserId
aspnet_PersonalizationPerUser_ncindex2	Unique	UserId, PathId
PK__aspnet_Personali__4D94879B	Unique	Id

Referencing Views

Name
vw_aspnet_WebPartState_User

Definition

```
CREATE TABLE [aspnet_PersonalizationPerUser]
(
    [Id] uniqueidentifier NOT NULL DEFAULT ((newid())),
    [PathId] uniqueidentifier NULL,
    [UserId] uniqueidentifier NULL,
    [PageSettings] image NOT NULL,
    [LastUpdatedDate] datetime NOT NULL
)
```

Definition

```
CONSTRAINT [PK_aspnet_PersonalizationPerUser] PRIMARY KEY  
(  
    [Id]  
)
```

Table: aspnet_Profile

Description

Used by the SQL Profile Provider to store individual instances of property values.

Columns

Name	Type	Required?	Defaults To	Description
⚠️ UserId	uniqueidentifier	Yes		ID of the user to which this profile data pertains
PropertyNames	ntext	Yes		Names of all property values stored in this profile
PropertyValuesString	ntext	Yes		Values of properties that could be persisted as text
PropertyValuesBinary	image	Yes		Values of properties that were configured to use binary serialization
LastUpdatedDate	datetime	Yes		Date and time this profile was last updated

Relationships

Primary Table	Primary Key	Foreign Table	Foreign Key
aspnet_Users	UserId	aspnet_Profile	UserId

Indexes

Name	Type	Columns
PK_aspnet_Profile__286302EC	Unique, Clustered	UserId

Referencing Views

Name
vw_aspnet_Profiles

Definition


```
CREATE TABLE [aspnet_Profile]
(
    [UserId] uniqueidentifier NOT NULL,
    [PropertyNames] ntext NOT NULL,
    [PropertyValuesString] ntext NOT NULL,
    [PropertyValuesBinary] image NOT NULL,
    [LastUpdatedDate] datetime NOT NULL
    CONSTRAINT [PK_aspnet_Profile] PRIMARY KEY
    (
        [UserId]
    )
)
```

Table: aspnet_Roles

Description

Used by the SQL Role Provider to store role data.

Columns

Name	Type	Required?	Defaults To	Description
ApplicationId	uniqueidentifier	Yes		Application ID
 RoleId	uniqueidentifier	Yes	(newid())	Role ID
RoleName	nvarchar(256)	Yes		Role name
LoweredRoleName	nvarchar(256)	Yes		Role name (lowercase)
Description	nvarchar(256)	No		Role description (currently unused)

Relationships

Primary Table	Primary Key	Foreign Table	Foreign Key
aspnet_Applications	ApplicationId	aspnet_Roles	ApplicationId
aspnet_Roles	RoleId	aspnet_UsersInRoles	RoleId

Indexes

Name	Type	Columns
aspnet_Roles_index1	Unique, Clustered	ApplicationId, LoweredRoleName
PK__aspnet_Roles__31E6D26	Unique	RoleId

Referencing Views

Name
vw_aspnet_Roles

Definition

```
CREATE TABLE [aspnet_Roles]
(
  [ApplicationId] uniqueidentifier NOT NULL,
  [RoleId] uniqueidentifier NOT NULL DEFAULT ((newid())),
  [RoleName] nvarchar(256) NOT NULL,
  [LoweredRoleName] nvarchar(256) NOT NULL,
  [Description] nvarchar(256) NULL
  CONSTRAINT [PK_aspnet_Roles] PRIMARY KEY
  (
    [RoleId]
  )
)
```

Table: aspnet_SchemaVersions**Description**

Used to track the versions of schemas required by ASP.NET features.

Columns

Name	Type	Required?	Defaults To	Description
Feature	nvarchar(128)	Yes		Name of the application feature
CompatibleSchemaVersion	nvarchar(128)	Yes		Schema version required for compatibility
IsCurrentVersion	bit	Yes		1=Current version, 0=Not current version

Indexes

Name	Type	Columns
PK_aspnet_SchemaVersion__08EA5793	Unique, Clustered	Feature, CompatibleSchemaVersion


Definition

```
CREATE TABLE [aspnet_SchemaVersions]
(
  [Feature] nvarchar(128) NOT NULL,
  [CompatibleSchemaVersion] nvarchar(128) NOT NULL,
  [IsCurrentVersion] bit NOT NULL
  CONSTRAINT [PK_aspnet_SchemaVersions] PRIMARY KEY
  (
    [Feature],
    [CompatibleSchemaVersion]
  )
)
```


Table: aspnet_Users**Description**

Used to store information regarding users, including user names and IDs.

Columns

Name	Type	Required?	Defaults To	Description
ApplicationId	uniqueidentifier	Yes		Application ID
 UserId	uniqueidentifier	Yes	(newid())	User ID
UserName	nvarchar(256)	Yes		User name
LoweredUserName	nvarchar(256)	Yes		User name (lowercase)
MobileAlias	nvarchar(16)	No	(NULL)	User's mobile alias (currently not used)
IsAnonymous	bit	Yes	((0))	1=Anonymous user, 0=Not an anonymous user
LastActivityDate	datetime	Yes		Date and time of last activity by this user

Relationships

Primary Table	Primary Key	Foreign Table	Foreign Key
aspnet_Applications	ApplicationId	aspnet_Users	ApplicationId
aspnet_Users	UserId	aspnet_Membership	UserId
aspnet_Users	UserId	aspnet_Profile	UserId
aspnet_Users	UserId	aspnet_UsersInRoles	UserId
aspnet_Users	UserId	aspnet_PersonalizationPerUser	UserId

Indexes

Name	Type	Columns
aspnet_Users_Index	Unique, Clustered	ApplicationId, LoweredUserName
aspnet_Users_Index2	Non-unique	ApplicationId, LastActivityDate
PK__aspnet_Users__03317E3D	Unique	UserId

Referencing Views

Name
vw_aspnet_MembershipUsers
vw_aspnet_Users

Definition

```
CREATE TABLE [aspnet_Users]
(
  [ApplicationId] uniqueidentifier NOT NULL,
  [UserId] uniqueidentifier NOT NULL DEFAULT ((newid())),
  [UserName] nvarchar(256) NOT NULL,
  [LoweredUserName] nvarchar(256) NOT NULL,
  [MobileAlias] nvarchar(16) NULL DEFAULT ((NULL)),
  [IsAnonymous] bit NOT NULL DEFAULT ((0)),
  [LastActivityDate] datetime NOT NULL
  CONSTRAINT [PK_aspnet_Users] PRIMARY KEY
  (
    [UserId]
  )
)
```

Table: aspnet_UsersInRoles

Description

Used by the SQL Role Provider to map roles to users.

Columns

Name	Type	Required?	Defaults To	Description
⚠ UserId	uniqueidentifier	Yes		User ID
⚠ RoleId	uniqueidentifier	Yes		Role ID

Relationships

Primary Table	Primary Key	Foreign Table	Foreign Key
aspnet_Users	UserId	aspnet_UsersInRoles	UserId
aspnet_Roles	RoleId	aspnet_UsersInRoles	RoleId

Indexes

Name	Type	Columns
aspnet_UsersInRoles_index	Non-unique	RoleId
PK_aspnet_UsersInRoles_35BCFE0A	Unique, Clustered	UserId, RoleId

Referencing Views

Name
vw_aspnet_UsersInRoles

Definition

```
CREATE TABLE [aspnet_UsersInRoles]
(
    [UserId] uniqueidentifier NOT NULL,
    [RoleId] uniqueidentifier NOT NULL
    CONSTRAINT [PK_aspnet_UsersInRoles] PRIMARY KEY
    (
        [UserId],
        [RoleId]
    )
)
```

Table: aspnet_WebEvent_Events**Description**

Used by the SQL Web Event Provider to log event data.

Columns

Name	Type	Required?	Defaults To	Description
EventId	char(32)	Yes		Event ID (from WebBaseEvent.EventId)
EventTimeUtc	datetime	Yes		UTC time at which the event was fired (from WebBaseEvent.EventTimeUtc)
EventTime	datetime	Yes		Local time at which the event was fired (from WebBaseEvent.EventTime)
EventType	nvarchar(256)	Yes		Event type (for example, WebFailureAuditEvent)
EventSequence	decimal(19)	Yes		Event sequence number (from WebBaseEvent.EventSequence)
EventOccurrence	decimal(19)	Yes		Event occurrence count (from WebBaseEvent.EventOccurrence)
EventCode	int	Yes		Event code (from WebBaseEvent.EventCode)
EventDetailCode	int	Yes		Event detail code (from WebBaseEvent.EventDetailCode)
Message	nvarchar(1024)	No		Event message (from WebBaseEvent.EventMessage)
ApplicationPath	nvarchar(256)	No		Physical path of the application that generated the Web event (for example, C:\Websites\MyApp)
ApplicationVirtual Path	nvarchar(256)	No		Virtual path of the application that generated the event (for example, /MyApp)
MachineName	nvarchar(256)	Yes		Name of the machine on which the event was generated
RequestUrl	nvarchar(1024)	No		URL of the request that generated the Web event
ExceptionType	nvarchar(256)	No		If the Web event is a WebBaseErrorEvent, type of exception recorded in the ErrorException property; otherwise, DBNull
Details	ntext	No		Text generated by calling ToString on the Web event

Indexes

Name	Type	Columns
PK__aspnet_WebEvent__5FB337D6	Unique, Clustered	EventId

Definition

```
CREATE TABLE [aspnet_WebEvent_Events]
(
  [EventId] char(32) NOT NULL,
  [EventTimeUtc] datetime NOT NULL,
  [EventTime] datetime NOT NULL,
  [EventType] nvarchar(256) NOT NULL,
  [EventSequence] decimal(19) NOT NULL,
  [EventOccurrence] decimal(19) NOT NULL,
  [EventCode] int NOT NULL,
  [EventDetailCode] int NOT NULL,
  [Message] nvarchar(1024) NULL,
  [ApplicationPath] nvarchar(256) NULL,
  [ApplicationVirtualPath] nvarchar(256) NULL,
  [MachineName] nvarchar(256) NOT NULL,
  [RequestUrl] nvarchar(1024) NULL,
  [ExceptionType] nvarchar(256) NULL,
  [Details] ntext NULL
  CONSTRAINT [PK_aspnet_WebEvent_Events] PRIMARY KEY
  (
    [EventId]
  )
)
```

Views: ASPNETDB**Views**

Name	Description
vw_aspnet_Applications	Displays information for all applications.
vw_aspnet_MembershipUsers	Displays a list of ASP.NET membership users associated with the unique identifier for the user.
vw_aspnet_Profiles	Displays user profile information.
vw_aspnet_Roles	Displays role information.
vw_aspnet_Users	Displays a list of users per application.
vw_aspnet_UsersInRoles	Displays which users are associated with which roles by the unique identifiers for the user and the role.
vw_aspnet_WebPartState_Paths	Displays Web Parts state path information.
vw_aspnet_WebPartState_Shared	Displays Web Parts state information.
vw_aspnet_WebPartState_User	Displays Web Parts user information.

View: vw_aspnet_Applications

Description

Displays information for all applications.

Columns

Name	Type	Required?	Defaults To	Description
ApplicationName	nvarchar	Yes		Application name
LoweredApplicationName	nvarchar	Yes		Application name (lowercase)
ApplicationId	uniqueidentifier	Yes		Application ID
Description	nvarchar	No		Application description

Tables Referenced

Name
aspnet_Applications

Definition

```
SELECT [dbo].[aspnet_Applications].[ApplicationName],
[dbo].[aspnet_Applications].[LoweredApplicationName], [dbo].[aspnet_Applications].[ApplicationId],
[dbo].[aspnet_Applications].[Description]
FROM [dbo].[aspnet_Applications]
```

View: vw_aspnet_MembershipUsers**Description**

Displays a list of ASP.NET membership users associated with the unique identifier for the user.

Columns

Name	Type	Required?	Defaults To	Description
UserId	uniqueidentifier	Yes		User ID
PasswordFormat	int	Yes		Password format (0=Plaintext, 1=Hashed, 2=Encrypted)
MobilePIN	nvarchar	No		User's mobile PIN (currently not used)
Email	nvarchar	No		User's e-mail address
LoweredEmail	nvarchar	No		User's e-mail address (lowercase)
PasswordQuestion	nvarchar	No		Password question
PasswordAnswer	nvarchar	No		Answer to password question
IsApproved	bit	Yes		1=Approved, 0=Not approved
IsLockedOut	bit	Yes		1=Locked out, 0=Not locked out
CreateDate	datetime	Yes		Date and time this account was created
LastLoginDate	datetime	Yes		Date and time of this user's last login
LastPasswordChangedDate	datetime	Yes		Date and time this user's password was last changed
LastLockoutDate	datetime	Yes		Date and time this user was last locked out
FailedPasswordAttemptCount	int	Yes		Number of consecutive failed login attempts
FailedPasswordAttemptWindowStart	datetime	Yes		Date and time of first failed login if FailedPasswordAttemptCount is nonzero
FailedPasswordAnswerAttemptCount	int	Yes		Number of consecutive failed password answer attempts
FailedPasswordAnswerAttemptWindowStart	datetime	Yes		Date and time of first failed password answer if FailedPasswordAnswerAttemptCount is nonzero
Comment	ntext	No		Additional text
ApplicationId	uniqueidentifier	Yes		Application ID
UserName	nvarchar	Yes		User name
MobileAlias	nvarchar	No		User's mobile alias (currently not used)
IsAnonymous	bit	Yes		1=Anonymous user, 0=Not an anonymous user

Columns

Name	Type	Required?	Defaults To	Description
LastActivityDate	datetime	Yes		Date and time of last activity by this user

Tables Referenced

Name
aspnet_Membership
aspnet_Users

Definition

```

SELECT [dbo].[aspnet_Membership].[UserId],
       [dbo].[aspnet_Membership].[PasswordFormat],
       [dbo].[aspnet_Membership].[MobilePIN],
       [dbo].[aspnet_Membership].[Email],
       [dbo].[aspnet_Membership].[LoweredEmail],
       [dbo].[aspnet_Membership].[PasswordQuestion],
       [dbo].[aspnet_Membership].[PasswordAnswer],
       [dbo].[aspnet_Membership].[IsApproved],
       [dbo].[aspnet_Membership].[IsLockedOut],
       [dbo].[aspnet_Membership].[CreateDate],
       [dbo].[aspnet_Membership].[LastLoginDate],
       [dbo].[aspnet_Membership].[LastPasswordChangedDate],
       [dbo].[aspnet_Membership].[LastLockoutDate],
       [dbo].[aspnet_Membership].[FailedPasswordAttemptCount],
       [dbo].[aspnet_Membership].[FailedPasswordAttemptWindowStart],
       [dbo].[aspnet_Membership].[FailedPasswordAnswerAttemptCount],
       [dbo].[aspnet_Membership].[FailedPasswordAnswerAttemptWindowStart],
       [dbo].[aspnet_Membership].[Comment],
       [dbo].[aspnet_Users].[ApplicationId],
       [dbo].[aspnet_Users].[UserName],
       [dbo].[aspnet_Users].[MobileAlias],
       [dbo].[aspnet_Users].[IsAnonymous],
       [dbo].[aspnet_Users].[LastActivityDate]
FROM [dbo].[aspnet_Membership] INNER JOIN [dbo].[aspnet_Users]
ON [dbo].[aspnet_Membership].[UserId] = [dbo].[aspnet_Users].[UserId]
    
```

View: vw_aspnet_Profiles

Description

Displays user profile information.

Columns

Name	Type	Required?	Defaults To	Description
UserId	uniqueidentifier	Yes		ID of the user to which this profile data pertains
LastUpdatedDate	datetime	Yes		Date and time this profile was last updated
DataSize	int	No		Size of the profile data

Tables Referenced

Name
aspnet_Profile

Definition

```
SELECT [dbo].[aspnet_Profile].[UserId], [dbo].[aspnet_Profile].[LastUpdatedDate],
       [DataSize]= DATALENGTH([dbo].[aspnet_Profile].[PropertyNames])
       + DATALENGTH([dbo].[aspnet_Profile].[PropertyValuesString])
       + DATALENGTH([dbo].[aspnet_Profile].[PropertyValuesBinary])
FROM [dbo].[aspnet_Profile]
```

View: vw_aspnet_Roles**Description**

Displays role information.

Columns

Name	Type	Required?	Defaults To	Description
ApplicationId	uniqueidentifier	Yes		Application ID
RoleId	uniqueidentifier	Yes		Role ID
RoleName	nvarchar	Yes		Role name
LoweredRoleName	nvarchar	Yes		Role name (lowercase)
Description	nvarchar	No		Role description (currently unused)

Tables Referenced

Name
aspnet_Roles

Definition

```
SELECT [dbo].[aspnet_Roles].[ApplicationId], [dbo].[aspnet_Roles].[RoleId], [dbo].[aspnet_Roles].[RoleName],
[dbo].[aspnet_Roles].[LoweredRoleName], [dbo].[aspnet_Roles].[Description]
FROM [dbo].[aspnet_Roles]
```

View: vw_aspnet_Users

Description

Displays a list of users per application.

Columns

Name	Type	Required?	Defaults To	Description
ApplicationId	uniqueidentifier	Yes		Application ID
UserId	uniqueidentifier	Yes		User ID
UserName	nvarchar	Yes		User name
LoweredUserName	nvarchar	Yes		User name (lowercase)
MobileAlias	nvarchar	No		User's mobile alias (currently not used)
IsAnonymous	bit	Yes		1=Anonymous user, 0=Not an anonymous user
LastActivityDate	datetime	Yes		Date and time of last activity by this user

Tables Referenced

Name
aspnet_Users

Definition

```
SELECT [dbo].[aspnet_Users].[ApplicationId], [dbo].[aspnet_Users].[UserId], [dbo].[aspnet_Users].[UserName],
[dbo].[aspnet_Users].[LoweredUserName], [dbo].[aspnet_Users].[MobileAlias],
[dbo].[aspnet_Users].[IsAnonymous], [dbo].[aspnet_Users].[LastActivityDate]
FROM [dbo].[aspnet_Users]
```

View: vw_aspnet_UsersInRoles

Description

Displays which users are associated with which roles by the unique identifiers for the user and the role.

Columns

Name	Type	Required?	Defaults To	Description
UserId	uniqueidentifier	Yes		User ID
RoleId	uniqueidentifier	Yes		Role ID

Tables Referenced

Name
aspnet_UsersInRoles

Definition

```
SELECT [dbo].[aspnet_UsersInRoles].[UserId], [dbo].[aspnet_UsersInRoles].[RoleId]  
FROM [dbo].[aspnet_UsersInRoles]
```

View: vw_aspnet_WebPartState_Paths

Description

Displays Web Parts state path information.

Columns

Name	Type	Required?	Defaults To	Description
ApplicationId	uniqueidentifier	Yes		Application ID
PathId	uniqueidentifier	Yes		Path ID
Path	nvarchar	Yes		Path name
LoweredPath	nvarchar	Yes		Path name (lowercase)

Tables Referenced

Name
aspnet_Paths

Definition

```
SELECT [dbo].[aspnet_Paths].[ApplicationId], [dbo].[aspnet_Paths].[PathId], [dbo].[aspnet_Paths].[Path],
[dbo].[aspnet_Paths].[LoweredPath]
FROM [dbo].[aspnet_Paths]
```

View: vw_aspnet_WebPartState_Shared

Description

Displays Web Parts state information.

Columns

Name	Type	Required?	Defaults To	Description
PathId	uniqueidentifier	Yes		ID of the virtual path to which this state pertains
DataSize	int	No		Size of the data
LastUpdatedDate	datetime	Yes		Date and time state was saved

Tables Referenced

Name
aspnet_PersonalizationAllUsers

Definition

```
SELECT [dbo].[aspnet_PersonalizationAllUsers].[PathId],
[DataSize]=DATALENGTH([dbo].[aspnet_PersonalizationAllUsers].[PageSettings]),
[dbo].[aspnet_PersonalizationAllUsers].[LastUpdatedDate]
FROM [dbo].[aspnet_PersonalizationAllUsers]
```

View: vw_aspnet_WebPartState_User**Description**

Displays Web Parts user information.

Columns

Name	Type	Required?	Defaults To	Description
PathId	uniqueidentifier	No		ID of the virtual path to which this state
UserId	uniqueidentifier	No		ID of the user to which this state pertains
DataSize	int	No		Size of the user-scoped data
LastUpdatedDate	datetime	Yes		Date and time state was saved

Tables Referenced

Name
aspnet_PersonalizationPerUser

Definition

```
SELECT [dbo].[aspnet_PersonalizationPerUser].[PathId], [dbo].[aspnet_PersonalizationPerUser].[UserId],
[DataSize]=DATALENGTH([dbo].[aspnet_PersonalizationPerUser].[PageSettings]),
[dbo].[aspnet_PersonalizationPerUser].[LastUpdatedDate]
FROM [dbo].[aspnet_PersonalizationPerUser]
```


Procedures: ASPNETDB

Procedures

Name	Description
aspnet_AnyDataInTables	Checks to see if there is any data in the specified tables.
aspnet_Applications_CreateApplication	Adds a new application to the aspnet_Application table.
aspnet_CheckSchemaVersion	Checks the compatibility of the schema version for the given feature.
aspnet_Membership_ChangePasswordQuestionAndAnswer	Changes the specified user's password question and answer.
aspnet_Membership_CreateUser	Adds a new membership user to the membership database. Records the user in the aspnet_Users and aspnet_Membership tables and, if necessary, adds a new application to the aspnet_Applications table.
aspnet_Membership_FindUsersByEmail	Retrieves records from aspnet_Membership table with email addresses matching the specified pattern and with the specified application ID.
aspnet_Membership_FindUsersByName	Retrieves records from aspnet_Membership table with user names matching the specified pattern and with the specified application ID.
aspnet_Membership_GetAllUsers	Retrieves all users from the aspnet_Membership table with the specified application ID.
aspnet_Membership_GetNumberOfUsersOnline	Gets the number of users currently online (those whose last activity dates).
aspnet_Membership_GetPassword	Gets the specified user's password data from the database. Used for retrieving passwords with a user-supplied password answer.
aspnet_Membership_GetPasswordWithFormat	Gets the specified user's password from the database. Used by the provider to retrieve passwords for performing password comparisons (for example, when ValidateUser needs to validate a password).
aspnet_Membership_GetUserByEmail	Given an e-mail address and application ID, retrieves the corresponding record from the aspnet_Membership table.
aspnet_Membership_GetUserByName	Given a user name and application ID, retrieves the corresponding record from the aspnet_Membership table.
aspnet_Membership_GetUserById	Given a user ID and application ID, retrieves the corresponding record from the aspnet_Membership table.
aspnet_Membership_ResetPassword	Resets the specified user's password based on a password answer.
aspnet_Membership_SetPassword	Sets the specified user's password to the password input to the stored procedure.
aspnet_Membership_UnlockUser	Restores login privileges for the specified user by setting the user's IsLockedOut bit to 0.
aspnet_Membership_UpdateUser	Updates the user's last activity date in the aspnet_Users table and e-mail address, comment, isapproved status, and last login date in the aspnet_Membership table.
aspnet_Membership_UpdateUserInfo	Updates account locking data for the specified user in the aspnet_Users and aspnet_Membership tables. Used in conjunction with provider methods that track bad password and bad password-answer attempts.
aspnet_Paths_CreatePath	Retrieves a path ID from the aspnet_Paths table, or creates a new one if the specified path doesn't exist.

Procedures

Name	Description
aspnet_Personalization_GetApplicationId	Converts the application name input to it into an application ID.
aspnet_PersonalizationAdministration_DeleteAllState	Deletes all records from aspnet_PersonalizationAllUsers or aspnet_PersonalizationPerUser corresponding to the specified application ID.
aspnet_PersonalizationAdministration_FindState	Retrieves profile data from aspnet_PersonalizationAllUsers or aspnet_PersonalizationPerUser meeting several input criteria.
aspnet_PersonalizationAdministration_GetCountOfState	Returns a count of records in the aspnet_PersonalizationAllUsers table with path names matching the specified pattern, or a count of records in the aspnet_PersonalizationPerUser table meeting several input criteria.
aspnet_PersonalizationAdministration_ResetSharedState	Resets shared state for the specified page, by deleting the corresponding record from the aspnet_PersonalizationAllUsers table.
aspnet_PersonalizationAdministration_ResetUserState	Resets per-user state for the specified user and the specified page, by deleting the corresponding record from the aspnet_PersonalizationPerUser table. Can also delete records, based on the user's last activity date if it falls on or before the specified date.
aspnet_PersonalizationAllUsers_GetPageSettings	Retrieves shared state for the specified page from the aspnet_PersonalizationAllUsers table.
aspnet_PersonalizationAllUsers_ResetPageSettings	Resets shared state for the specified page, by deleting the corresponding record from the aspnet_PersonalizationAllUsers table.
aspnet_PersonalizationAllUsers_SetPageSettings	Saves shared state for the specified page in the aspnet_PersonalizationAllUsers table.
aspnet_PersonalizationPerUser_GetPageSettings	Retrieves per-user state for the specified page and the specified user from the aspnet_PersonalizationPerUser table.
aspnet_PersonalizationPerUser_ResetPageSettings	Resets per-user state for the specified page and the specified user, by deleting the corresponding record from the aspnet_PersonalizationPerUser table.
aspnet_PersonalizationPerUser_SetPageSettings	Saves per-user state for the specified page and the specified user in the aspnet_PersonalizationPerUser table.
aspnet_Profile_DeleteInactiveProfiles	Deletes profile data from the aspnet_Profile table for users whose last activity dates in the aspnet_Users table fall on or before the specified date.
aspnet_Profile_DeleteProfiles	Deletes profile data from the aspnet_Profile table for the specified users.
aspnet_Profile_GetNumberOfInactiveProfiles	Queries the aspnet_Profile table to get a count of profiles whose last activity dates (in the aspnet_Users table) fall on or before the specified date.
aspnet_Profile_GetProfiles	Retrieves profile data from the aspnet_Profile table for users who match the criteria input to the stored procedure.
aspnet_Profile_GetProperties	Retrieves profile data for the specified user.
aspnet_Profile_SetProperties	Saves profile data for the specified user.
aspnet_RegisterSchemaVersion	Registers the compatible schema required for the given feature.
aspnet_Roles_CreateRole	Adds a role to the aspnet_Roles table and, if necessary, adds a new application to the aspnet_Applications table.

Procedures

Name	Description
aspnet_Roles_DeleteRole	Removes a role from the aspnet_Roles table. Optionally deletes records referencing the deleted role from the aspnet_UsersInRoles table.
aspnet_Roles_GetAllRoles	Retrieves all roles with the specified application ID from the aspnet_Roles table.
aspnet_Roles_RoleExists	Checks the aspnet_Roles table to determine whether the specified role exists.
aspnet_Setup_RemoveAllRoleMembers	Removes all roles from the given SQL account.
aspnet_Setup_RestorePermissions	Restores permissions to the given SQL account.
aspnet_UnRegisterSchemaVersion	Unregisters the schema version for the given feature.
aspnet_Users_CreateUser	Adds a user to the aspnet_Users table. Called by aspnet_Membership_CreateUser.
aspnet_Users_DeleteUser	Deletes a user from the aspnet_Membership table and optionally from other SQL provider tables, including aspnet_Users.
aspnet_UsersInRoles_AddUsersToRoles	Adds the specified users to the specified roles by adding them to the aspnet_UsersInRoles table.
aspnet_UsersInRoles_FindUsersInRole	Queries the aspnet_UsersInRoles table for all users belonging to the specified role whose user names match the specified pattern.
aspnet_UsersInRoles_GetRolesForUser	Queries the aspnet_UsersInRoles table for all roles assigned to a specified user.
aspnet_UsersInRoles_GetUsersInRoles	Queries the aspnet_UsersInRoles table for all users belonging to the specified role.
aspnet_UsersInRoles_IsUserInRole	Checks the aspnet_UsersInRoles table to determine whether the specified user belongs to the specified role.
aspnet_UsersInRoles_RemoveUsersFromRoles	Removes the specified users from the specified roles by deleting the corresponding records from the aspnet_UsersInRoles table.
aspnet_WebEvent_LogEvent	Records a Web event in the aspnet_WebEvents_Events table.

Procedure: aspnet_AnyDataInTables

Description

Checks to see if there is any data in the specified tables.

Parameters

Name	Type	Direction
@TablesToCheck	int	Input

Definition

```

CREATE PROCEDURE [dbo].aspnet_AnyDataInTables
    @TablesToCheck int
AS
BEGIN
    -- Check Membership table if (@TablesToCheck & 1) is set
    IF ((@TablesToCheck & 1) <> 0 AND
        (EXISTS (SELECT name FROM sysobjects WHERE (name = N'vw_aspnet_MembershipUsers') AND
        (type = 'V'))))
    BEGIN
        IF (EXISTS(SELECT TOP 1 UserId FROM dbo.aspnet_Membership))
        BEGIN
            SELECT N'aspnet_Membership'
            RETURN
        END
    END

    -- Check aspnet_Roles table if (@TablesToCheck & 2) is set
    IF ((@TablesToCheck & 2) <> 0 AND
        (EXISTS (SELECT name FROM sysobjects WHERE (name = N'vw_aspnet_Roles') AND (type = 'V')))) )
    BEGIN
        IF (EXISTS(SELECT TOP 1 RoleId FROM dbo.aspnet_Roles))
        BEGIN
            SELECT N'aspnet_Roles'
            RETURN
        END
    END

    -- Check aspnet_Profile table if (@TablesToCheck & 4) is set
    IF ((@TablesToCheck & 4) <> 0 AND
        (EXISTS (SELECT name FROM sysobjects WHERE (name = N'vw_aspnet_Profiles') AND (type = 'V')))) )
    BEGIN
        IF (EXISTS(SELECT TOP 1 UserId FROM dbo.aspnet_Profile))
        BEGIN
            SELECT N'aspnet_Profile'
            RETURN
        END
    END

    -- Check aspnet_PersonalizationPerUser table if (@TablesToCheck & 8) is set
    IF ((@TablesToCheck & 8) <> 0 AND
        (EXISTS (SELECT name FROM sysobjects WHERE (name = N'vw_aspnet_WebPartState_User') AND
        (type = 'V')))) )
    BEGIN
        IF (EXISTS(SELECT TOP 1 UserId FROM dbo.aspnet_PersonalizationPerUser))
        BEGIN
            SELECT N'aspnet_PersonalizationPerUser'
        END
    END

```

Definition

```

        RETURN
    END
END

-- Check aspnet_PersonalizationPerUser table if (@TablesToCheck & 16) is set
IF ((@TablesToCheck & 16) <> 0 AND
    (EXISTS (SELECT name FROM sysobjects WHERE (name = N'aspnet_WebEvent_LogEvent') AND (type
= 'P'))))
BEGIN
    IF (EXISTS(SELECT TOP 1 * FROM dbo.aspnet_WebEvent_Events))
    BEGIN
        SELECT N'aspnet_WebEvent_Events'
        RETURN
    END
END

-- Check aspnet_Users table if (@TablesToCheck & 1,2,4 & 8) are all set
IF ((@TablesToCheck & 1) <> 0 AND
    (@TablesToCheck & 2) <> 0 AND
    (@TablesToCheck & 4) <> 0 AND
    (@TablesToCheck & 8) <> 0 AND
    (@TablesToCheck & 32) <> 0 AND
    (@TablesToCheck & 128) <> 0 AND
    (@TablesToCheck & 256) <> 0 AND
    (@TablesToCheck & 512) <> 0 AND
    (@TablesToCheck & 1024) <> 0)
BEGIN
    IF (EXISTS(SELECT TOP 1 UserId FROM dbo.aspnet_Users))
    BEGIN
        SELECT N'aspnet_Users'
        RETURN
    END
    IF (EXISTS(SELECT TOP 1 ApplicationId FROM dbo.aspnet_Applications))
    BEGIN
        SELECT N'aspnet_Applications'
        RETURN
    END
END
END
END

```

Procedure: aspnet_Applications_CreateApplication

Description

Adds a new application to the aspnet_Application table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@ApplicationId	uniqueidentifier	Input/Output

Definition

```

CREATE PROCEDURE [dbo].aspnet_Applications_CreateApplication
    @ApplicationName    nvarchar(256),
    @ApplicationId      uniqueidentifier OUTPUT
AS
BEGIN
    SELECT @ApplicationId = ApplicationId FROM dbo.aspnet_Applications WHERE
LOWER(@ApplicationName) = LoweredApplicationName

    IF(@ApplicationId IS NULL)
    BEGIN
        DECLARE @TranStarted bit
        SET @TranStarted = 0

        IF( @@TRANCOUNT = 0 )
        BEGIN
            BEGIN TRANSACTION
            SET @TranStarted = 1
        END
        ELSE
            SET @TranStarted = 0

        SELECT @ApplicationId = ApplicationId
        FROM dbo.aspnet_Applications WITH (UPDLOCK, HOLDLOCK)
        WHERE LOWER(@ApplicationName) = LoweredApplicationName

        IF(@ApplicationId IS NULL)
        BEGIN
            SELECT @ApplicationId = NEWID()
            INSERT  dbo.aspnet_Applications (ApplicationId, ApplicationName, LoweredApplicationName)
            VALUES (@ApplicationId, @ApplicationName, LOWER(@ApplicationName))
        END

        IF( @TranStarted = 1 )
        BEGIN
            IF(@@ERROR = 0)
            BEGIN
                SET @TranStarted = 0
                COMMIT TRANSACTION
            END
            ELSE
            BEGIN
                SET @TranStarted = 0
                ROLLBACK TRANSACTION
            END
        END
    END

```

Definition

```
    END  
  END  
END
```

Procedure: aspnet_CheckSchemaVersion

Description

Checks the compatibility of the schema version for the given feature.

Parameters

Name	Type	Direction
@Feature	nvarchar	Input
@CompatibleSchemaVersion	nvarchar	Input

Definition

```

CREATE PROCEDURE [dbo].aspnet_CheckSchemaVersion
    @Feature          nvarchar(128),
    @CompatibleSchemaVersion nvarchar(128)
AS
BEGIN
    IF (EXISTS( SELECT *
                FROM  dbo.aspnet_SchemaVersions
                WHERE  Feature = LOWER( @Feature ) AND
                       CompatibleSchemaVersion = @CompatibleSchemaVersion ))
        RETURN 0

    RETURN 1
END

```


Procedure: aspnet_Membership_ChangePasswordQuestionAndAnswer

Description

Changes the specified user's password question and answer.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@NewPasswordQuestion	nvarchar	Input
@NewPasswordAnswer	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_ChangePasswordQuestionAndAnswer
    @ApplicationName nvarchar(256),
    @UserName nvarchar(256),
    @NewPasswordQuestion nvarchar(256),
    @NewPasswordAnswer nvarchar(128)
AS
BEGIN
    DECLARE @UserId uniqueidentifier
    SELECT @UserId = NULL
    SELECT @UserId = u.UserId
    FROM dbo.aspnet_Membership m, dbo.aspnet_Users u, dbo.aspnet_Applications a
    WHERE LoweredUserName = LOWER(@UserName) AND
        u.ApplicationId = a.ApplicationId AND
        LOWER(@ApplicationName) = a.LoweredApplicationName AND
        u.UserId = m.UserId
    IF (@UserId IS NULL)
    BEGIN
        RETURN(1)
    END

    UPDATE dbo.aspnet_Membership
    SET PasswordQuestion = @NewPasswordQuestion, PasswordAnswer = @NewPasswordAnswer
    WHERE UserId=@UserId
    RETURN(0)
END

```

Procedure: aspnet_Membership_CreateUser

Description

Adds a new membership user to the membership database. Records the user in the aspnet_Users and aspnet_Membership tables and, if necessary, adds a new application to the aspnet_Applications table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@Password	nvarchar	Input
@PasswordSalt	nvarchar	Input
@Email	nvarchar	Input
@PasswordQuestion	nvarchar	Input
@PasswordAnswer	nvarchar	Input
@IsApproved	bit	Input
@CurrentTimeUtc	datetime	Input
@CreateDate	datetime	Input
@UniqueEmail	int	Input
@PasswordFormat	int	Input
@UserId	uniqueidentifier	Input/Output

Definition

```
CREATE PROCEDURE dbo.aspnet_Membership_CreateUser
  @ApplicationName      nvarchar(256),
  @UserName             nvarchar(256),
  @Password             nvarchar(128),
  @PasswordSalt        nvarchar(128),
  @Email               nvarchar(256),
  @PasswordQuestion    nvarchar(256),
  @PasswordAnswer      nvarchar(128),
  @IsApproved          bit,
  @CurrentTimeUtc      datetime,
  @CreateDate          datetime = NULL,
  @UniqueEmail         int = 0,
  @PasswordFormat      int = 0,
  @UserId              uniqueidentifier OUTPUT
```

AS

BEGIN

```
  DECLARE @ApplicationId uniqueidentifier
  SELECT @ApplicationId = NULL
```

```
  DECLARE @NewUserId uniqueidentifier
  SELECT @NewUserId = NULL
```

```
  DECLARE @IsLockedOut bit
  SET @IsLockedOut = 0
```

```
  DECLARE @LastLockoutDate datetime
```

Definition

```

SET @LastLockoutDate = CONVERT( datetime, '17540101', 112 )

DECLARE @FailedPasswordAttemptCount int
SET @FailedPasswordAttemptCount = 0

DECLARE @FailedPasswordAttemptWindowStart datetime
SET @FailedPasswordAttemptWindowStart = CONVERT( datetime, '17540101', 112 )

DECLARE @FailedPasswordAnswerAttemptCount int
SET @FailedPasswordAnswerAttemptCount = 0

DECLARE @FailedPasswordAnswerAttemptWindowStart datetime
SET @FailedPasswordAnswerAttemptWindowStart = CONVERT( datetime, '17540101', 112 )

DECLARE @NewUserCreated bit
DECLARE @ReturnValue int
SET @ReturnValue = 0

DECLARE @ErrorCode int
SET @ErrorCode = 0

DECLARE @TranStarted bit
SET @TranStarted = 0

IF( @@TRANCOUNT = 0 )
BEGIN
    BEGIN TRANSACTION
    SET @TranStarted = 1
END
ELSE
    SET @TranStarted = 0

EXEC dbo.aspnet_Applications_CreateApplication @ApplicationName, @ApplicationId OUTPUT

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END

SET @CreateDate = @CurrentTimeUtc

SELECT @NewUserId = UserId FROM dbo.aspnet_Users WHERE LOWER(@UserName) =
LoweredUserName AND @ApplicationId = ApplicationId
IF ( @NewUserId IS NULL )
BEGIN
    SET @NewUserId = @UserId
    EXEC @ReturnValue = dbo.aspnet_Users_CreateUser @ApplicationId, @UserName, 0, @CreateDate,
@NewUserId OUTPUT
    SET @NewUserCreated = 1
END
ELSE
BEGIN
    SET @NewUserCreated = 0
    IF( @NewUserId <> @UserId AND @UserId IS NOT NULL )
    BEGIN
        SET @ErrorCode = 6
        GOTO Cleanup
    END
END
END

```

Definition

```

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END

IF( @ReturnValue = -1 )
BEGIN
    SET @ErrorCode = 10
    GOTO Cleanup
END

IF ( EXISTS ( SELECT UserId
              FROM  dbo.aspnet_Membership
              WHERE @NewUserId = UserId ) )
BEGIN
    SET @ErrorCode = 6
    GOTO Cleanup
END

SET @UserId = @NewUserId

IF (@UniqueEmail = 1)
BEGIN
    IF (EXISTS (SELECT *
               FROM  dbo.aspnet_Membership m WITH ( UPDLOCK, HOLDLOCK )
               WHERE ApplicationId = @ApplicationId AND LoweredEmail = LOWER(@Email)))
    BEGIN
        SET @ErrorCode = 7
        GOTO Cleanup
    END
END

IF (@NewUserCreated = 0)
BEGIN
    UPDATE dbo.aspnet_Users
    SET    LastActivityDate = @CreateDate
    WHERE @UserId = UserId
    IF( @@ERROR <> 0 )
    BEGIN
        SET @ErrorCode = -1
        GOTO Cleanup
    END
END

INSERT INTO dbo.aspnet_Membership
( ApplicationId,
  UserId,
  Password,
  PasswordSalt,
  Email,
  LoweredEmail,
  PasswordQuestion,
  PasswordAnswer,
  PasswordFormat,
  IsApproved,
  IsLockedOut,
  CreateDate,
  LastLoginDate,

```

Definition

```

        LastPasswordChangedDate,
        LastLockoutDate,
        FailedPasswordAttemptCount,
        FailedPasswordAttemptWindowStart,
        FailedPasswordAnswerAttemptCount,
        FailedPasswordAnswerAttemptWindowStart )
VALUES ( @ApplicationId,
        @UserId,
        @Password,
        @PasswordSalt,
        @Email,
        LOWER(@Email),
        @PasswordQuestion,
        @PasswordAnswer,
        @PasswordFormat,
        @IsApproved,
        @IsLockedOut,
        @CreateDate,
        @CreateDate,
        @CreateDate,
        @LastLockoutDate,
        @FailedPasswordAttemptCount,
        @FailedPasswordAttemptWindowStart,
        @FailedPasswordAnswerAttemptCount,
        @FailedPasswordAnswerAttemptWindowStart )

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    COMMIT TRANSACTION
END

RETURN 0

Cleanup:

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    ROLLBACK TRANSACTION
END

RETURN @ErrorCode

END

```

Procedure: aspnet_Membership_FindUsersByEmail

Description

Retrieves records from aspnet_Membership table with email addresses matching the specified pattern and with the specified application ID.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@EmailToMatch	nvarchar	Input
@PageIndex	int	Input
@PageSize	int	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_FindUsersByEmail
    @ApplicationName    nvarchar(256),
    @EmailToMatch      nvarchar(256),
    @PageIndex          int,
    @PageSize           int
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM dbo.aspnet_Applications WHERE
LOWER(@ApplicationName) = LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN 0

    -- Set the page bounds
    DECLARE @PageLowerBound int
    DECLARE @PageUpperBound int
    DECLARE @TotalRecords int
    SET @PageLowerBound = @PageSize * @PageIndex
    SET @PageUpperBound = @PageSize - 1 + @PageLowerBound

    -- Create a temp table TO store the select results
    CREATE TABLE #PageIndexForUsers
    (
        IndexId int IDENTITY (0, 1) NOT NULL,
        UserId uniqueidentifier
    )

    -- Insert into our temp table
    IF( @EmailToMatch IS NULL )
        INSERT INTO #PageIndexForUsers (UserId)
            SELECT u.UserId
            FROM  dbo.aspnet_Users u, dbo.aspnet_Membership m
            WHERE u.ApplicationId = @ApplicationId AND m.UserId = u.UserId AND m.Email IS NULL
            ORDER BY m.LoweredEmail
    ELSE
        INSERT INTO #PageIndexForUsers (UserId)
            SELECT u.UserId
            FROM  dbo.aspnet_Users u, dbo.aspnet_Membership m
            WHERE u.ApplicationId = @ApplicationId AND m.UserId = u.UserId AND m.LoweredEmail LIKE

```

Definition

```
LOWER(@EmailToMatch)
ORDER BY m.LoweredEmail

SELECT u.UserName, m.Email, m.PasswordQuestion, m.Comment, m.IsApproved,
       m.CreateDate,
       m.LastLoginDate,
       u.LastActivityDate,
       m.LastPasswordChangedDate,
       u.UserId, m.IsLockedOut,
       m.LastLockoutDate
FROM   dbo.aspnet_Membership m, dbo.aspnet_Users u, #PageIndexForUsers p
WHERE  u.UserId = p.UserId AND u.UserId = m.UserId AND
       p.IndexId >= @PageLowerBound AND p.IndexId <= @PageUpperBound
ORDER BY m.LoweredEmail

SELECT @TotalRecords = COUNT(*)
FROM   #PageIndexForUsers
RETURN @TotalRecords
END
```

Procedure: aspnet_Membership_FindUsersByName

Description

Retrieves records from aspnet_Membership table with user names matching the specified pattern and with the specified application ID.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserNameToMatch	nvarchar	Input
@PageIndex	int	Input
@PageSize	int	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_FindUsersByName
    @ApplicationName    nvarchar(256),
    @UserNameToMatch   nvarchar(256),
    @PageIndex          int,
    @PageSize           int
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM dbo.aspnet_Applications WHERE
LOWER(@ApplicationName) = LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN 0

    -- Set the page bounds
    DECLARE @PageLowerBound int
    DECLARE @PageUpperBound int
    DECLARE @TotalRecords int
    SET @PageLowerBound = @PageSize * @PageIndex
    SET @PageUpperBound = @PageSize - 1 + @PageLowerBound

    -- Create a temp table TO store the select results
    CREATE TABLE #PageIndexForUsers
    (
        IndexId int IDENTITY (0, 1) NOT NULL,
        UserId uniqueidentifier
    )

    -- Insert into our temp table
    INSERT INTO #PageIndexForUsers (UserId)
    SELECT u.UserId
    FROM   dbo.aspnet_Users u, dbo.aspnet_Membership m
    WHERE  u.ApplicationId = @ApplicationId AND m.UserId = u.UserId AND u.LoweredUserName LIKE
LOWER(@UserNameToMatch)
    ORDER BY u.UserName

    SELECT u.UserName, m.Email, m.PasswordQuestion, m.Comment, m.IsApproved,
        m.CreateDate,
        m.LastLoginDate,

```


Definition

```
        u.LastActivityDate,  
        m.LastPasswordChangedDate,  
        u.UserId, m.IsLockedOut,  
        m.LastLockoutDate  
FROM    dbo.aspnet_Membership m, dbo.aspnet_Users u, #PageIndexForUsers p  
WHERE   u.UserId = p.UserId AND u.UserId = m.UserId AND  
        p.IndexId >= @PageLowerBound AND p.IndexId <= @PageUpperBound  
ORDER BY u.UserName  
  
SELECT @TotalRecords = COUNT(*)  
FROM    #PageIndexForUsers  
RETURN @TotalRecords  
END
```

Procedure: aspnet_Membership_GetAllUsers

Description

Retrieves all users from the aspnet_Membership table with the specified application ID.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@PageIndex	int	Input
@PageSize	int	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_GetAllUsers
    @ApplicationName nvarchar(256),
    @PageIndex int,
    @PageSize int
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM dbo.aspnet_Applications WHERE
LOWER(@ApplicationName) = LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN 0

    -- Set the page bounds
    DECLARE @PageLowerBound int
    DECLARE @PageUpperBound int
    DECLARE @TotalRecords int
    SET @PageLowerBound = @PageSize * @PageIndex
    SET @PageUpperBound = @PageSize - 1 + @PageLowerBound

    -- Create a temp table TO store the select results
    CREATE TABLE #PageIndexForUsers
    (
        IndexId int IDENTITY (0, 1) NOT NULL,
        UserId uniqueidentifier
    )

    -- Insert into our temp table
    INSERT INTO #PageIndexForUsers (UserId)
    SELECT u.UserId
    FROM dbo.aspnet_Membership m, dbo.aspnet_Users u
    WHERE u.ApplicationId = @ApplicationId AND u.UserId = m.UserId
    ORDER BY u.UserName

    SELECT @TotalRecords = @@ROWCOUNT

    SELECT u.UserName, m.Email, m.PasswordQuestion, m.Comment, m.IsApproved,
        m.CreateDate,
        m.LastLoginDate,
        u.LastActivityDate,
        m.LastPasswordChangedDate,
        u.UserId, m.IsLockedOut,

```

Definition

```
        m.LastLockoutDate
FROM    dbo.aspnet_Membership m, dbo.aspnet_Users u, #PageIndexForUsers p
WHERE   u.UserId = p.UserId AND u.UserId = m.UserId AND
        p.IndexId >= @PageLowerBound AND p.IndexId <= @PageUpperBound
ORDER BY u.UserName
RETURN @TotalRecords
END
```

Procedure: aspnet_Membership_GetNumberOfUsersOnline

Description

Gets the number of users currently online (those whose last activity dates.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@MinutesSinceLastInActive	int	Input
@CurrentTimeUtc	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_GetNumberOfUsersOnline
    @ApplicationName    nvarchar(256),
    @MinutesSinceLastInActive int,
    @CurrentTimeUtc    datetime
AS
BEGIN
    DECLARE @DateActive datetime
    SELECT @DateActive = DATEADD(minute, -(@MinutesSinceLastInActive), @CurrentTimeUtc)

    DECLARE @NumOnline int
    SELECT @NumOnline = COUNT(*)
    FROM    dbo.aspnet_Users u(NOLOCK),
           dbo.aspnet_Applications a(NOLOCK),
           dbo.aspnet_Membership m(NOLOCK)
    WHERE   u.ApplicationId = a.ApplicationId          AND
           LastActivityDate > @DateActive            AND
           a.LoweredApplicationName = LOWER(@ApplicationName) AND
           u.UserId = m.UserId
    RETURN(@NumOnline)
END

```

Procedure: aspnet_Membership_GetPassword

Description

Gets the specified user's password data from the database. Used for retrieving passwords with a user-supplied password answer.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@MaxInvalidPasswordAttempts	int	Input
@PasswordAttemptWindow	int	Input
@CurrentTimeUtc	datetime	Input
@PasswordAnswer	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_GetPassword
    @ApplicationName      nvarchar(256),
    @UserName              nvarchar(256),
    @MaxInvalidPasswordAttempts  int,
    @PasswordAttemptWindow    int,
    @CurrentTimeUtc          datetime,
    @PasswordAnswer         nvarchar(128) = NULL
AS
BEGIN
    DECLARE @UserId          uniqueidentifier
    DECLARE @PasswordFormat  int
    DECLARE @Password        nvarchar(128)
    DECLARE @passAns         nvarchar(128)
    DECLARE @IsLockedOut     bit
    DECLARE @LastLockoutDate  datetime
    DECLARE @FailedPasswordAttemptCount  int
    DECLARE @FailedPasswordAttemptWindowStart  datetime
    DECLARE @FailedPasswordAnswerAttemptCount  int
    DECLARE @FailedPasswordAnswerAttemptWindowStart  datetime

    DECLARE @ErrorCode      int
    SET @ErrorCode = 0

    DECLARE @TranStarted    bit
    SET @TranStarted = 0

    IF( @@TRANCOUNT = 0 )
    BEGIN
        BEGIN TRANSACTION
        SET @TranStarted = 1
    END
    ELSE
        SET @TranStarted = 0

    SELECT @UserId = u.UserId,
           @Password = m.Password,
           @passAns = m.PasswordAnswer,

```

Definition

```

    @PasswordFormat = m.PasswordFormat,
    @IsLockedOut = m.IsLockedOut,
    @LastLockoutDate = m.LastLockoutDate,
    @FailedPasswordAttemptCount = m.FailedPasswordAttemptCount,
    @FailedPasswordAttemptWindowStart = m.FailedPasswordAttemptWindowStart,
    @FailedPasswordAnswerAttemptCount = m.FailedPasswordAnswerAttemptCount,
    @FailedPasswordAnswerAttemptWindowStart = m.FailedPasswordAnswerAttemptWindowStart
FROM   dbo.aspnet_Applications a, dbo.aspnet_Users u, dbo.aspnet_Membership m WITH ( UPDLOCK )
WHERE  LOWER(@ApplicationName) = a.LoweredApplicationName AND
       u.ApplicationId = a.ApplicationId AND
       u.UserId = m.UserId AND
       LOWER(@UserName) = u.LoweredUserName

IF ( @@rowcount = 0 )
BEGIN
    SET @ErrorCode = 1
    GOTO Cleanup
END

IF( @IsLockedOut = 1 )
BEGIN
    SET @ErrorCode = 99
    GOTO Cleanup
END

IF ( NOT( @PasswordAnswer IS NULL ) )
BEGIN
    IF( ( @passAns IS NULL ) OR ( LOWER( @passAns ) <> LOWER( @PasswordAnswer ) ) )
    BEGIN
        IF( @CurrentTimeUtc > DATEADD( minute, @PasswordAttemptWindow,
@FailedPasswordAnswerAttemptWindowStart ) )
        BEGIN
            SET @FailedPasswordAnswerAttemptWindowStart = @CurrentTimeUtc
            SET @FailedPasswordAnswerAttemptCount = 1
        END
        ELSE
        BEGIN
            SET @FailedPasswordAnswerAttemptCount = @FailedPasswordAnswerAttemptCount + 1
            SET @FailedPasswordAnswerAttemptWindowStart = @CurrentTimeUtc
        END
    END

    BEGIN
        IF( @FailedPasswordAnswerAttemptCount >= @MaxInvalidPasswordAttempts )
        BEGIN
            SET @IsLockedOut = 1
            SET @LastLockoutDate = @CurrentTimeUtc
        END
    END

    SET @ErrorCode = 3
END
ELSE
BEGIN
    IF( @FailedPasswordAnswerAttemptCount > 0 )
    BEGIN
        SET @FailedPasswordAnswerAttemptCount = 0
        SET @FailedPasswordAnswerAttemptWindowStart = CONVERT( datetime, '17540101', 112 )
    END
END
END

```

Definition

```

UPDATE dbo.aspnet_Membership
SET IsLockedOut = @IsLockedOut, LastLockoutDate = @LastLockoutDate,
    FailedPasswordAttemptCount = @FailedPasswordAttemptCount,
    FailedPasswordAttemptWindowStart = @FailedPasswordAttemptWindowStart,
    FailedPasswordAnswerAttemptCount = @FailedPasswordAnswerAttemptCount,
    FailedPasswordAnswerAttemptWindowStart = @FailedPasswordAnswerAttemptWindowStart
WHERE @UserId = UserId

```

```

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END
END

```

```

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    COMMIT TRANSACTION
END

```

```

IF( @ErrorCode = 0 )
    SELECT @Password, @PasswordFormat

```

```

RETURN @ErrorCode

```

Cleanup:

```

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    ROLLBACK TRANSACTION
END

```

```

RETURN @ErrorCode

```

END

Procedure: aspnet_Membership_GetPasswordWithFormat

Description

Gets the specified user's password from the database. Used by the provider to retrieve passwords for performing password comparisons (for example, when ValidateUser needs to validate a password).

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@UpdateLastLoginActivityDate	bit	Input
@CurrentTimeUtc	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_GetPasswordWithFormat
    @ApplicationName    nvarchar(256),
    @UserName           nvarchar(256),
    @UpdateLastLoginActivityDate bit,
    @CurrentTimeUtc     datetime
AS
BEGIN
    DECLARE @IsLockedOut    bit
    DECLARE @UserId        uniqueidentifier
    DECLARE @Password      nvarchar(128)
    DECLARE @PasswordSalt  nvarchar(128)
    DECLARE @PasswordFormat int
    DECLARE @FailedPasswordAttemptCount int
    DECLARE @FailedPasswordAnswerAttemptCount int
    DECLARE @IsApproved    bit
    DECLARE @LastActivityDate datetime
    DECLARE @LastLoginDate datetime

    SELECT @UserId = NULL

    SELECT @UserId = u.UserId, @IsLockedOut = m.IsLockedOut, @Password=Password,
    @PasswordFormat=PasswordFormat,
        @PasswordSalt=PasswordSalt, @FailedPasswordAttemptCount=FailedPasswordAttemptCount,
        @FailedPasswordAnswerAttemptCount=FailedPasswordAnswerAttemptCount,
    @IsApproved=IsApproved,
        @LastActivityDate = LastActivityDate, @LastLoginDate = LastLoginDate
    FROM    dbo.aspnet_Applications a, dbo.aspnet_Users u, dbo.aspnet_Membership m
    WHERE   LOWER(@ApplicationName) = a.LoweredApplicationName AND
        u.ApplicationId = a.ApplicationId AND
        u.UserId = m.UserId AND
        LOWER(@UserName) = u.LoweredUserName

    IF (@UserId IS NULL)
        RETURN 1

    IF (@IsLockedOut = 1)
        RETURN 99

    SELECT @Password, @PasswordFormat, @PasswordSalt, @FailedPasswordAttemptCount,
        @FailedPasswordAnswerAttemptCount, @IsApproved, @LastLoginDate, @LastActivityDate

```


Definition

```
IF (@UpdateLastLoginActivityDate = 1 AND @IsApproved = 1)
BEGIN
    UPDATE dbo.aspnet_Membership
    SET    LastLoginDate = @CurrentTimeUtc
    WHERE  UserId = @UserId

    UPDATE dbo.aspnet_Users
    SET    LastActivityDate = @CurrentTimeUtc
    WHERE  @UserId = UserId
END

RETURN 0
END
```

Procedure: aspnet_Membership_GetUserByEmail

Description

Given an e-mail address and application ID, retrieves the corresponding record from the aspnet_Membership table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@Email	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_GetUserByEmail
    @ApplicationName nvarchar(256),
    @Email          nvarchar(256)
AS
BEGIN
    IF( @Email IS NULL )
        SELECT u.UserName
        FROM   dbo.aspnet_Applications a, dbo.aspnet_Users u, dbo.aspnet_Membership m
        WHERE LOWER(@ApplicationName) = a.LoweredApplicationName AND
              u.ApplicationId = a.ApplicationId  AND
              u.UserId = m.UserId AND
              m.LoweredEmail IS NULL
    ELSE
        SELECT u.UserName
        FROM   dbo.aspnet_Applications a, dbo.aspnet_Users u, dbo.aspnet_Membership m
        WHERE LOWER(@ApplicationName) = a.LoweredApplicationName AND
              u.ApplicationId = a.ApplicationId  AND
              u.UserId = m.UserId AND
              LOWER(@Email) = m.LoweredEmail

    IF (@@rowcount = 0)
        RETURN(1)
    RETURN(0)
END

```

Procedure: aspnet_Membership_GetUserByName

Description

Given a user name and application ID, retrieves the corresponding record from the aspnet_Membership table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@CurrentTimeUtc	datetime	Input
@UpdateLastActivity	bit	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_GetUserByName
    @ApplicationName nvarchar(256),
    @UserName nvarchar(256),
    @CurrentTimeUtc datetime,
    @UpdateLastActivity bit = 0
AS
BEGIN
    DECLARE @UserId uniqueidentifier

    IF (@UpdateLastActivity = 1)
    BEGIN
        -- select user ID from aspnet_users table
        SELECT TOP 1 @UserId = u.UserId
        FROM   dbo.aspnet_Applications a, dbo.aspnet_Users u, dbo.aspnet_Membership m
        WHERE  LOWER(@ApplicationName) = a.LoweredApplicationName AND
              u.ApplicationId = a.ApplicationId AND
              LOWER(@UserName) = u.LoweredUserName AND u.UserId = m.UserId

        IF (@@ROWCOUNT = 0) -- Username not found
            RETURN -1

        UPDATE  dbo.aspnet_Users
        SET     LastActivityDate = @CurrentTimeUtc
        WHERE  @UserId = UserId

        SELECT m.Email, m.PasswordQuestion, m.Comment, m.IsApproved,
              m.CreateDate, m.LastLoginDate, u.LastActivityDate, m.LastPasswordChangedDate,
              u.UserId, m.IsLockedOut, m.LastLockoutDate
        FROM   dbo.aspnet_Applications a, dbo.aspnet_Users u, dbo.aspnet_Membership m
        WHERE  @UserId = u.UserId AND u.UserId = m.UserId
    END
    ELSE
    BEGIN
        SELECT TOP 1 m.Email, m.PasswordQuestion, m.Comment, m.IsApproved,
              m.CreateDate, m.LastLoginDate, u.LastActivityDate, m.LastPasswordChangedDate,
              u.UserId, m.IsLockedOut, m.LastLockoutDate
        FROM   dbo.aspnet_Applications a, dbo.aspnet_Users u, dbo.aspnet_Membership m
        WHERE  LOWER(@ApplicationName) = a.LoweredApplicationName AND
              u.ApplicationId = a.ApplicationId AND
              LOWER(@UserName) = u.LoweredUserName AND u.UserId = m.UserId
    END

```

Definition

```
        IF (@@ROWCOUNT = 0) -- Username not found
            RETURN -1
    END

    RETURN 0
END
```

Procedure: aspnet_Membership_GetUserByUserId

Description

Given a user ID and application ID, retrieves the corresponding record from the aspnet_Membership table.

Parameters

Name	Type	Direction
@UserId	uniqueidentifier	Input
@CurrentTimeUtc	datetime	Input
@UpdateLastActivity	bit	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_GetUserByUserId
    @UserId uniqueidentifier,
    @CurrentTimeUtc datetime,
    @UpdateLastActivity bit = 0
AS
BEGIN
    IF ( @UpdateLastActivity = 1 )
    BEGIN
        UPDATE dbo.aspnet_Users
        SET LastActivityDate = @CurrentTimeUtc
        FROM dbo.aspnet_Users
        WHERE @UserId = UserId

        IF ( @@ROWCOUNT = 0 ) -- User ID not found
            RETURN -1
    END

    SELECT m.Email, m.PasswordQuestion, m.Comment, m.IsApproved,
        m.CreateDate, m.LastLoginDate, u.LastActivityDate,
        m.LastPasswordChangedDate, u.UserName, m.IsLockedOut,
        m.LastLockoutDate
    FROM dbo.aspnet_Users u, dbo.aspnet_Membership m
    WHERE @UserId = u.UserId AND u.UserId = m.UserId

    IF ( @@ROWCOUNT = 0 ) -- User ID not found
        RETURN -1

    RETURN 0
END

```

Procedure: aspnet_Membership_ResetPassword

Description

Resets the specified user's password based on a password answer.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@NewPassword	nvarchar	Input
@MaxInvalidPasswordAttempts	int	Input
@PasswordAttemptWindow	int	Input
@PasswordSalt	nvarchar	Input
@CurrentTimeUtc	datetime	Input
@PasswordFormat	int	Input
@PasswordAnswer	nvarchar	Input

Definition

```
CREATE PROCEDURE dbo.aspnet_Membership_ResetPassword
  @ApplicationName    nvarchar(256),
  @UserName           nvarchar(256),
  @NewPassword        nvarchar(128),
  @MaxInvalidPasswordAttempts int,
  @PasswordAttemptWindow int,
  @PasswordSalt       nvarchar(128),
  @CurrentTimeUtc     datetime,
  @PasswordFormat     int = 0,
  @PasswordAnswer     nvarchar(128) = NULL
```

AS

BEGIN

```
  DECLARE @IsLockedOut          bit
  DECLARE @LastLockoutDate      datetime
  DECLARE @FailedPasswordAttemptCount int
  DECLARE @FailedPasswordAttemptWindowStart datetime
  DECLARE @FailedPasswordAnswerAttemptCount int
  DECLARE @FailedPasswordAnswerAttemptWindowStart datetime
```

```
  DECLARE @UserId               uniqueidentifier
  SET @UserId = NULL
```

```
  DECLARE @ErrorCode           int
  SET @ErrorCode = 0
```

```
  DECLARE @TranStarted         bit
  SET @TranStarted = 0
```

```
  IF( @@TRANCOUNT = 0 )
  BEGIN
    BEGIN TRANSACTION
    SET @TranStarted = 1
  END
  ELSE
```

Definition

```

SET @TranStarted = 0

SELECT @UserId = u.UserId
FROM   dbo.aspnet_Users u, dbo.aspnet_Applications a, dbo.aspnet_Membership m
WHERE  LoweredUserName = LOWER(@UserName) AND
       u.ApplicationId = a.ApplicationId AND
       LOWER(@ApplicationName) = a.LoweredApplicationName AND
       u.UserId = m.UserId

IF ( @UserId IS NULL )
BEGIN
    SET @ErrorCode = 1
    GOTO Cleanup
END

SELECT @IsLockedOut = IsLockedOut,
       @LastLockoutDate = LastLockoutDate,
       @FailedPasswordAttemptCount = FailedPasswordAttemptCount,
       @FailedPasswordAttemptWindowStart = FailedPasswordAttemptWindowStart,
       @FailedPasswordAnswerAttemptCount = FailedPasswordAnswerAttemptCount,
       @FailedPasswordAnswerAttemptWindowStart = FailedPasswordAnswerAttemptWindowStart
FROM   dbo.aspnet_Membership WITH ( UPDLOCK )
WHERE  @UserId = UserId

IF( @IsLockedOut = 1 )
BEGIN
    SET @ErrorCode = 99
    GOTO Cleanup
END

UPDATE dbo.aspnet_Membership
SET    Password = @NewPassword,
       LastPasswordChangedDate = @CurrentTimeUtc,
       PasswordFormat = @PasswordFormat,
       PasswordSalt = @PasswordSalt
WHERE  @UserId = UserId AND
       ( ( @PasswordAnswer IS NULL ) OR ( LOWER( PasswordAnswer ) = LOWER( @PasswordAnswer ) ) )

IF ( @@ROWCOUNT = 0 )
BEGIN
    IF( @CurrentTimeUtc > DATEADD( minute, @PasswordAttemptWindow,
@FailedPasswordAnswerAttemptWindowStart ) )
        BEGIN
            SET @FailedPasswordAnswerAttemptWindowStart = @CurrentTimeUtc
            SET @FailedPasswordAnswerAttemptCount = 1
        END
    ELSE
        BEGIN
            SET @FailedPasswordAnswerAttemptWindowStart = @CurrentTimeUtc
            SET @FailedPasswordAnswerAttemptCount = @FailedPasswordAnswerAttemptCount + 1
        END

    BEGIN
        IF( @FailedPasswordAnswerAttemptCount >= @MaxInvalidPasswordAttempts )
            BEGIN
                SET @IsLockedOut = 1
                SET @LastLockoutDate = @CurrentTimeUtc
            END
        END
    END
END

```

Definition

```

        SET @ErrorCode = 3
    END
ELSE
    BEGIN
        IF( @FailedPasswordAnswerAttemptCount > 0 )
            BEGIN
                SET @FailedPasswordAnswerAttemptCount = 0
                SET @FailedPasswordAnswerAttemptWindowStart = CONVERT( datetime, '17540101', 112 )
            END
        END

    IF( NOT ( @PasswordAnswer IS NULL ) )
    BEGIN
        UPDATE dbo.aspnet_Membership
        SET IsLockedOut = @IsLockedOut, LastLockoutDate = @LastLockoutDate,
            FailedPasswordAttemptCount = @FailedPasswordAttemptCount,
            FailedPasswordAttemptWindowStart = @FailedPasswordAttemptWindowStart,
            FailedPasswordAnswerAttemptCount = @FailedPasswordAnswerAttemptCount,
            FailedPasswordAnswerAttemptWindowStart = @FailedPasswordAnswerAttemptWindowStart
        WHERE @UserId = UserId

        IF( @@ERROR <> 0 )
            BEGIN
                SET @ErrorCode = -1
                GOTO Cleanup
            END
        END

    IF( @TranStarted = 1 )
    BEGIN
        SET @TranStarted = 0
        COMMIT TRANSACTION
    END

    RETURN @ErrorCode

Cleanup:

    IF( @TranStarted = 1 )
    BEGIN
        SET @TranStarted = 0
        ROLLBACK TRANSACTION
    END

    RETURN @ErrorCode

END

```


Procedure: aspnet_Membership_SetPassword

Description

Sets the specified user's password to the password input to the stored procedure.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@NewPassword	nvarchar	Input
@PasswordSalt	nvarchar	Input
@CurrentTimeUtc	datetime	Input
@PasswordFormat	int	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_SetPassword
    @ApplicationName nvarchar(256),
    @UserName nvarchar(256),
    @NewPassword nvarchar(128),
    @PasswordSalt nvarchar(128),
    @CurrentTimeUtc datetime,
    @PasswordFormat int = 0
AS
BEGIN
    DECLARE @UserId uniqueidentifier
    SELECT @UserId = NULL
    SELECT @UserId = u.UserId
    FROM dbo.aspnet_Users u, dbo.aspnet_Applications a, dbo.aspnet_Membership m
    WHERE LoweredUserName = LOWER(@UserName) AND
        u.ApplicationId = a.ApplicationId AND
        LOWER(@ApplicationName) = a.LoweredApplicationName AND
        u.UserId = m.UserId

    IF (@UserId IS NULL)
        RETURN(1)

    UPDATE dbo.aspnet_Membership
    SET Password = @NewPassword, PasswordFormat = @PasswordFormat, PasswordSalt = @PasswordSalt,
        LastPasswordChangedDate = @CurrentTimeUtc
    WHERE @UserId = UserId
    RETURN(0)
END

```

Procedure: aspnet_Membership_UnlockUser

Description

Restores login privileges for the specified user by setting the user's IsLockedOut bit to 0.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_UnlockUser
    @ApplicationName      nvarchar(256),
    @UserName              nvarchar(256)
AS
BEGIN
    DECLARE @UserId uniqueidentifier
    SELECT @UserId = NULL
    SELECT @UserId = u.UserId
    FROM    dbo.aspnet_Users u, dbo.aspnet_Applications a, dbo.aspnet_Membership m
    WHERE  LoweredUserName = LOWER(@UserName) AND
           u.ApplicationId = a.ApplicationId AND
           LOWER(@ApplicationName) = a.LoweredApplicationName AND
           u.UserId = m.UserId

    IF ( @UserId IS NULL )
        RETURN 1

    UPDATE dbo.aspnet_Membership
    SET IsLockedOut = 0,
        FailedPasswordAttemptCount = 0,
        FailedPasswordAttemptWindowStart = CONVERT( datetime, '17540101', 112 ),
        FailedPasswordAnswerAttemptCount = 0,
        FailedPasswordAnswerAttemptWindowStart = CONVERT( datetime, '17540101', 112 ),
        LastLockoutDate = CONVERT( datetime, '17540101', 112 )
    WHERE @UserId = UserId

    RETURN 0
END

```

Procedure: aspnet_Membership_UpdateUser

Description

Updates the user's last activity date in the aspnet_Users table and e-mail address, comment, isapproved status, and last login date in the aspnet_Membership table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@Email	nvarchar	Input
@Comment	ntext	Input
@IsApproved	bit	Input
@LastLoginDate	datetime	Input
@LastActivityDate	datetime	Input
@UniqueEmail	int	Input
@CurrentTimeUtc	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_UpdateUser
  @ApplicationName  nvarchar(256),
  @UserName         nvarchar(256),
  @Email           nvarchar(256),
  @Comment         ntext,
  @IsApproved      bit,
  @LastLoginDate   datetime,
  @LastActivityDate datetime,
  @UniqueEmail     int,
  @CurrentTimeUtc  datetime
AS
BEGIN
  DECLARE @UserId uniqueidentifier
  DECLARE @ApplicationId uniqueidentifier
  SELECT @UserId = NULL
  SELECT @UserId = u.UserId, @ApplicationId = a.ApplicationId
  FROM   dbo.aspnet_Users u, dbo.aspnet_Applications a, dbo.aspnet_Membership m
  WHERE  LoweredUserName = LOWER(@UserName) AND
         u.ApplicationId = a.ApplicationId AND
         LOWER(@ApplicationName) = a.LoweredApplicationName AND
         u.UserId = m.UserId

  IF (@UserId IS NULL)
    RETURN(1)

  IF (@UniqueEmail = 1)
  BEGIN
    IF (EXISTS (SELECT *
                FROM   dbo.aspnet_Membership WITH (UPDLOCK, HOLDLOCK)
                WHERE  ApplicationId = @ApplicationId AND @UserId <> UserId AND LoweredEmail =
LOWER(@Email)))
      BEGIN
        RETURN(7)
      END
  END

```

Definition

```

    END
END

DECLARE @TranStarted bit
SET @TranStarted = 0

IF( @@TRANCOUNT = 0 )
BEGIN
    BEGIN TRANSACTION
    SET @TranStarted = 1
END
ELSE
    SET @TranStarted = 0

UPDATE dbo.aspnet_Users WITH (ROWLOCK)
SET
    LastActivityDate = @LastActivityDate
WHERE
    @UserId = UserId

IF( @@ERROR <> 0 )
    GOTO Cleanup

UPDATE dbo.aspnet_Membership WITH (ROWLOCK)
SET
    Email          = @Email,
    LoweredEmail   = LOWER(@Email),
    Comment        = @Comment,
    IsApproved     = @IsApproved,
    LastLoginDate  = @LastLoginDate
WHERE
    @UserId = UserId

IF( @@ERROR <> 0 )
    GOTO Cleanup

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    COMMIT TRANSACTION
END

RETURN 0

Cleanup:

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    ROLLBACK TRANSACTION
END

RETURN -1
END

```

Procedure: aspnet_Membership_UpdateUserInfo

Description

Updates account locking data for the specified user in the aspnet_Users and aspnet_Membership tables. Used in conjunction with provider methods that track bad password and bad password-answer attempts.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@IsPasswordCorrect	bit	Input
@UpdateLastLoginActivityDate	bit	Input
@MaxInvalidPasswordAttempts	int	Input
@PasswordAttemptWindow	int	Input
@CurrentTimeUtc	datetime	Input
@LastLoginDate	datetime	Input
@LastActivityDate	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Membership_UpdateUserInfo
    @ApplicationName    nvarchar(256),
    @UserName           nvarchar(256),
    @IsPasswordCorrect  bit,
    @UpdateLastLoginActivityDate bit,
    @MaxInvalidPasswordAttempts int,
    @PasswordAttemptWindow int,
    @CurrentTimeUtc    datetime,
    @LastLoginDate     datetime,
    @LastActivityDate  datetime
AS
BEGIN
    DECLARE @UserId          uniqueidentifier
    DECLARE @IsApproved     bit
    DECLARE @IsLockedOut    bit
    DECLARE @LastLockoutDate datetime
    DECLARE @FailedPasswordAttemptCount int
    DECLARE @FailedPasswordAttemptWindowStart datetime
    DECLARE @FailedPasswordAnswerAttemptCount int
    DECLARE @FailedPasswordAnswerAttemptWindowStart datetime

    DECLARE @ErrorCode      int
    SET @ErrorCode = 0

    DECLARE @TranStarted    bit
    SET @TranStarted = 0

    IF ( @@TRANCOUNT = 0 )
    BEGIN
        BEGIN TRANSACTION
        SET @TranStarted = 1
    END
    ELSE

```

Definition

```

SET @TranStarted = 0

SELECT @UserId = u.UserId,
       @IsApproved = m.IsApproved,
       @IsLockedOut = m.IsLockedOut,
       @LastLockoutDate = m.LastLockoutDate,
       @FailedPasswordAttemptCount = m.FailedPasswordAttemptCount,
       @FailedPasswordAttemptWindowStart = m.FailedPasswordAttemptWindowStart,
       @FailedPasswordAnswerAttemptCount = m.FailedPasswordAnswerAttemptCount,
       @FailedPasswordAnswerAttemptWindowStart = m.FailedPasswordAnswerAttemptWindowStart
FROM   dbo.aspnet_Applications a, dbo.aspnet_Users u, dbo.aspnet_Membership m WITH ( UPDLOCK )
WHERE  LOWER(@ApplicationName) = a.LoweredApplicationName AND
       u.ApplicationId = a.ApplicationId AND
       u.UserId = m.UserId AND
       LOWER(@UserName) = u.LoweredUserName

IF ( @@rowcount = 0 )
BEGIN
    SET @ErrorCode = 1
    GOTO Cleanup
END

IF( @IsLockedOut = 1 )
BEGIN
    GOTO Cleanup
END

IF( @IsPasswordCorrect = 0 )
BEGIN
    IF( @CurrentTimeUtc > DATEADD( minute, @PasswordAttemptWindow,
@FailedPasswordAttemptWindowStart ) )
        BEGIN
            SET @FailedPasswordAttemptWindowStart = @CurrentTimeUtc
            SET @FailedPasswordAttemptCount = 1
        END
    ELSE
        BEGIN
            SET @FailedPasswordAttemptWindowStart = @CurrentTimeUtc
            SET @FailedPasswordAttemptCount = @FailedPasswordAttemptCount + 1
        END
    END
    BEGIN
        IF( @FailedPasswordAttemptCount >= @MaxInvalidPasswordAttempts )
            BEGIN
                SET @IsLockedOut = 1
                SET @LastLockoutDate = @CurrentTimeUtc
            END
        END
    ELSE
        BEGIN
            IF( @FailedPasswordAttemptCount > 0 OR @FailedPasswordAnswerAttemptCount > 0 )
                BEGIN
                    SET @FailedPasswordAttemptCount = 0
                    SET @FailedPasswordAttemptWindowStart = CONVERT( datetime, '17540101', 112 )
                    SET @FailedPasswordAnswerAttemptCount = 0
                    SET @FailedPasswordAnswerAttemptWindowStart = CONVERT( datetime, '17540101', 112 )
                    SET @LastLockoutDate = CONVERT( datetime, '17540101', 112 )
                END
        END
    END
END

```

Definition

```

IF( @UpdateLastLoginActivityDate = 1 )
BEGIN
    UPDATE dbo.aspnet_Users
    SET    LastActivityDate = @LastActivityDate
    WHERE @UserId = UserId

```

```

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END

```

```

UPDATE dbo.aspnet_Membership
SET    LastLoginDate = @LastLoginDate
WHERE  UserId = @UserId

```

```

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END
END

```

```

UPDATE dbo.aspnet_Membership
SET IsLockedOut = @IsLockedOut, LastLockoutDate = @LastLockoutDate,
FailedPasswordAttemptCount = @FailedPasswordAttemptCount,
    FailedPasswordAttemptWindowStart = @FailedPasswordAttemptWindowStart,
    FailedPasswordAnswerAttemptCount = @FailedPasswordAnswerAttemptCount,
    FailedPasswordAnswerAttemptWindowStart = @FailedPasswordAnswerAttemptWindowStart
WHERE @UserId = UserId

```

```

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END

```

```

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    COMMIT TRANSACTION
END

```

```

RETURN @ErrorCode

```

Cleanup:

```

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    ROLLBACK TRANSACTION
END

```

```

RETURN @ErrorCode

```

END

Procedure: aspnet_Paths_CreatePath

Description

Retrieves a path ID from the aspnet_Paths table, or creates a new one if the specified path doesn't exist.

Parameters

Name	Type	Direction
@ApplicationId	uniqueidentifier	Input
@Path	nvarchar	Input
@PathId	uniqueidentifier	Input/Output

Definition

```

CREATE PROCEDURE dbo.aspnet_Paths_CreatePath
    @ApplicationId UNIQUEIDENTIFIER,
    @Path          NVARCHAR(256),
    @PathId       UNIQUEIDENTIFIER OUTPUT
AS
BEGIN
    BEGIN TRANSACTION
    IF (NOT EXISTS(SELECT * FROM dbo.aspnet_Paths WHERE LoweredPath = LOWER(@Path) AND
ApplicationId = @ApplicationId))
        BEGIN
            INSERT dbo.aspnet_Paths (ApplicationId, Path, LoweredPath) VALUES (@ApplicationId, @Path,
LOWER(@Path))
        END
    COMMIT TRANSACTION
    SELECT @PathId = PathId FROM dbo.aspnet_Paths WHERE LOWER(@Path) = LoweredPath AND
ApplicationId = @ApplicationId
END
    
```


Procedure: aspnet_Personalization_GetApplicationId

Description

Converts the application name input to it into an application ID.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@ApplicationId	uniqueidentifier	Input/Output

Definition

```
CREATE PROCEDURE dbo.aspnet_Personalization_GetApplicationId (  
    @ApplicationName NVARCHAR(256),  
    @ApplicationId UNIQUEIDENTIFIER OUT)  
AS  
BEGIN  
    SELECT @ApplicationId = ApplicationId FROM dbo.aspnet_Applications WHERE  
    LOWER(@ApplicationName) = LoweredApplicationName  
END
```

Procedure: aspnet_PersonalizationAdministration_DeleteAllState

Description

Deletes all records from aspnet_PersonalizationAllUsers or aspnet_PersonalizationPerUser corresponding to the specified application ID.

Parameters

Name	Type	Direction
@AllUsersScope	bit	Input
@ApplicationName	nvarchar	Input
@Count	int	Input/Output

Definition

```

CREATE PROCEDURE dbo.aspnet_PersonalizationAdministration_DeleteAllState (
    @AllUsersScope bit,
    @ApplicationName NVARCHAR(256),
    @Count int OUT)
AS
BEGIN
    DECLARE @ApplicationId UNIQUEIDENTIFIER
    EXEC dbo.aspnet_Personalization_GetApplicationId @ApplicationName, @ApplicationId OUTPUT
    IF (@ApplicationId IS NULL)
        SELECT @Count = 0
    ELSE
        BEGIN
            IF (@AllUsersScope = 1)
                DELETE FROM aspnet_PersonalizationAllUsers
                WHERE PathId IN
                (SELECT Paths.PathId
                 FROM dbo.aspnet_Paths Paths
                 WHERE Paths.ApplicationId = @ApplicationId)
            ELSE
                DELETE FROM aspnet_PersonalizationPerUser
                WHERE PathId IN
                (SELECT Paths.PathId
                 FROM dbo.aspnet_Paths Paths
                 WHERE Paths.ApplicationId = @ApplicationId)

            SELECT @Count = @@ROWCOUNT
        END
    END
END

```

Procedure: aspnet_PersonalizationAdministration_FindState

Description

Retrieves profile data from aspnet_PersonalizationAllUsers or aspnet_PersonalizationPerUser meeting several input criteria.

Parameters

Name	Type	Direction
@AllUsersScope	bit	Input
@ApplicationName	nvarchar	Input
@PageIndex	int	Input
@PageSize	int	Input
@Path	nvarchar	Input
@UserName	nvarchar	Input
@InactiveSinceDate	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_PersonalizationAdministration_FindState (
    @AllUsersScope bit,
    @ApplicationName NVARCHAR(256),
    @PageIndex      INT,
    @PageSize      INT,
    @Path NVARCHAR(256) = NULL,
    @UserName NVARCHAR(256) = NULL,
    @InactiveSinceDate DATETIME = NULL)
AS
BEGIN
    DECLARE @ApplicationId UNIQUEIDENTIFIER
    EXEC dbo.aspnet_Personalization_GetApplicationId @ApplicationName, @ApplicationId OUTPUT
    IF (@ApplicationId IS NULL)
        RETURN

    -- Set the page bounds
    DECLARE @PageLowerBound INT
    DECLARE @PageUpperBound INT
    DECLARE @TotalRecords INT
    SET @PageLowerBound = @PageSize * @PageIndex
    SET @PageUpperBound = @PageSize - 1 + @PageLowerBound

    -- Create a temp table to store the selected results
    CREATE TABLE #PageIndex (
        IndexId int IDENTITY (0, 1) NOT NULL,
        ItemId UNIQUEIDENTIFIER
    )

    IF (@AllUsersScope = 1)
    BEGIN
        -- Insert into our temp table
        INSERT INTO #PageIndex (ItemId)
        SELECT Paths.PathId
        FROM dbo.aspnet_Paths Paths,
        ((SELECT Paths.PathId
        FROM dbo.aspnet_PersonalizationAllUsers AllUsers, dbo.aspnet_Paths Paths

```

Definition

```

WHERE Paths.ApplicationId = @ApplicationId
      AND AllUsers.PathId = Paths.PathId
      AND (@Path IS NULL OR Paths.LoweredPath LIKE LOWER(@Path))
) AS SharedDataPerPath
FULL OUTER JOIN
(SELECT DISTINCT Paths.PathId
 FROM dbo.aspnet_PersonalizationPerUser PerUser, dbo.aspnet_Paths Paths
 WHERE Paths.ApplicationId = @ApplicationId
      AND PerUser.PathId = Paths.PathId
      AND (@Path IS NULL OR Paths.LoweredPath LIKE LOWER(@Path))
) AS UserDataPerPath
ON SharedDataPerPath.PathId = UserDataPerPath.PathId
)
WHERE Paths.PathId = SharedDataPerPath.PathId OR Paths.PathId = UserDataPerPath.PathId
ORDER BY Paths.Path ASC

SELECT @TotalRecords = @@ROWCOUNT

SELECT Paths.Path,
      SharedDataPerPath.LastUpdatedDate,
      SharedDataPerPath.SharedDataLength,
      UserDataPerPath.UserDataLength,
      UserDataPerPath.UserCount
FROM dbo.aspnet_Paths Paths,
((SELECT PageIndex.ItemId AS PathId,
      AllUsers.LastUpdatedDate AS LastUpdatedDate,
      DATALENGTH(AllUsers.PageSettings) AS SharedDataLength
 FROM dbo.aspnet_PersonalizationAllUsers AllUsers, #PageIndex PageIndex
 WHERE AllUsers.PathId = PageIndex.ItemId
      AND PageIndex.IndexId >= @PageLowerBound AND PageIndex.IndexId <= @PageUpperBound
) AS SharedDataPerPath
FULL OUTER JOIN
(SELECT PageIndex.ItemId AS PathId,
      SUM(DATALENGTH(PerUser.PageSettings)) AS UserDataLength,
      COUNT(*) AS UserCount
 FROM aspnet_PersonalizationPerUser PerUser, #PageIndex PageIndex
 WHERE PerUser.PathId = PageIndex.ItemId
      AND PageIndex.IndexId >= @PageLowerBound AND PageIndex.IndexId <= @PageUpperBound
) AS UserDataPerPath
ON SharedDataPerPath.PathId = UserDataPerPath.PathId
)
WHERE Paths.PathId = SharedDataPerPath.PathId OR Paths.PathId = UserDataPerPath.PathId
ORDER BY Paths.Path ASC
END
ELSE
BEGIN
-- Insert into our temp table
INSERT INTO #PageIndex (ItemId)
SELECT PerUser.Id
FROM dbo.aspnet_PersonalizationPerUser PerUser, dbo.aspnet_Users Users, dbo.aspnet_Paths Paths
WHERE Paths.ApplicationId = @ApplicationId
      AND PerUser.UserId = Users.UserId
      AND PerUser.PathId = Paths.PathId
      AND (@Path IS NULL OR Paths.LoweredPath LIKE LOWER(@Path))
AND (@UserName IS NULL OR Users.LoweredUserName LIKE LOWER(@UserName))
      AND (@InactiveSinceDate IS NULL OR Users.LastActivityDate <= @InactiveSinceDate)
ORDER BY Paths.Path ASC, Users.UserName ASC

SELECT @TotalRecords = @@ROWCOUNT

```

Definition

```
SELECT Paths.Path, PerUser.LastUpdatedDate, DATALENGTH(PerUser.PageSettings),
Users.UserName, Users.LastActivityDate
FROM dbo.aspnet_PersonalizationPerUser PerUser, dbo.aspnet_Users Users, dbo.aspnet_Paths Paths,
#PageIndex PageIndex
WHERE PerUser.Id = PageIndex.ItemId
AND PerUser.UserId = Users.UserId
AND PerUser.PathId = Paths.PathId
AND PageIndex.IndexId >= @PageLowerBound AND PageIndex.IndexId <= @PageUpperBound
ORDER BY Paths.Path ASC, Users.UserName ASC
END

RETURN @TotalRecords
END
```

Procedure: aspnet_PersonalizationAdministration_GetCountOfState

Description

Returns a count of records in the aspnet_PersonalizationAllUsers table with path names matching the specified pattern, or a count of records in the aspnet_PersonalizationPerUser table meeting several input criteria.

Parameters

Name	Type	Direction
@Count	int	Input/Output
@AllUsersScope	bit	Input
@ApplicationName	nvarchar	Input
@Path	nvarchar	Input
@UserName	nvarchar	Input
@InactiveSinceDate	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_PersonalizationAdministration_GetCountOfState (
    @Count int OUT,
    @AllUsersScope bit,
    @ApplicationName NVARCHAR(256),
    @Path NVARCHAR(256) = NULL,
    @UserName NVARCHAR(256) = NULL,
    @InactiveSinceDate DATETIME = NULL)
AS
BEGIN

    DECLARE @ApplicationId UNIQUEIDENTIFIER
    EXEC dbo.aspnet_Personalization_GetApplicationId @ApplicationName, @ApplicationId OUTPUT
    IF (@ApplicationId IS NULL)
        SELECT @Count = 0
    ELSE
        IF (@AllUsersScope = 1)
            SELECT @Count = COUNT(*)
            FROM dbo.aspnet_PersonalizationAllUsers AllUsers, dbo.aspnet_Paths Paths
            WHERE Paths.ApplicationId = @ApplicationId
                AND AllUsers.PathId = Paths.PathId
                AND (@Path IS NULL OR Paths.LoweredPath LIKE LOWER(@Path))
        ELSE
            SELECT @Count = COUNT(*)
            FROM dbo.aspnet_PersonalizationPerUser PerUser, dbo.aspnet_Users Users, dbo.aspnet_Paths
            Paths
            WHERE Paths.ApplicationId = @ApplicationId
                AND PerUser.UserId = Users.UserId
                AND PerUser.PathId = Paths.PathId
                AND (@Path IS NULL OR Paths.LoweredPath LIKE LOWER(@Path))
                AND (@UserName IS NULL OR Users.LoweredUserName LIKE LOWER(@UserName))
                AND (@InactiveSinceDate IS NULL OR Users.LastActivityDate <= @InactiveSinceDate)
END

```

Procedure: aspnet_PersonalizationAdministration_ResetSharedState

Description

Resets shared state for the specified page, by deleting the corresponding record from the aspnet_PersonalizationAllUsers table.

Parameters

Name	Type	Direction
@Count	int	Input/Output
@ApplicationName	nvarchar	Input
@Path	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_PersonalizationAdministration_ResetSharedState (
    @Count int OUT,
    @ApplicationName NVARCHAR(256),
    @Path NVARCHAR(256))
AS
BEGIN
    DECLARE @ApplicationId UNIQUEIDENTIFIER
    EXEC dbo.aspnet_Personalization_GetApplicationId @ApplicationName, @ApplicationId OUTPUT
    IF (@ApplicationId IS NULL)
        SELECT @Count = 0
    ELSE
        BEGIN
            DELETE FROM dbo.aspnet_PersonalizationAllUsers
            WHERE PathId IN
                (SELECT AllUsers.PathId
                 FROM dbo.aspnet_PersonalizationAllUsers AllUsers, dbo.aspnet_Paths Paths
                 WHERE Paths.ApplicationId = @ApplicationId
                  AND AllUsers.PathId = Paths.PathId
                  AND Paths.LoweredPath = LOWER(@Path))

            SELECT @Count = @@ROWCOUNT
        END
    END
END

```

Procedure: aspnet_PersonalizationAdministration_ResetUserState

Description

Resets per-user state for the specified user and the specified page, by deleting the corresponding record from the aspnet_PersonalizationPerUser table. Can also delete records, based on the user's last activity date if it falls on or before the specified date.

Parameters

Name	Type	Direction
@Count	int	Input/Output
@ApplicationName	nvarchar	Input
@InactiveSinceDate	datetime	Input
@UserName	nvarchar	Input
@Path	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_PersonalizationAdministration_ResetUserState (
    @Count          int          OUT,
    @ApplicationName NVARCHAR(256),
    @InactiveSinceDate DATETIME  = NULL,
    @UserName        NVARCHAR(256) = NULL,
    @Path            NVARCHAR(256) = NULL)
AS
BEGIN
    DECLARE @ApplicationId UNIQUEIDENTIFIER
    EXEC dbo.aspnet_Personalization_GetApplicationId @ApplicationName, @ApplicationId OUTPUT
    IF (@ApplicationId IS NULL)
        SELECT @Count = 0
    ELSE
        BEGIN
            DELETE FROM dbo.aspnet_PersonalizationPerUser
            WHERE Id IN (SELECT PerUser.Id
                FROM dbo.aspnet_PersonalizationPerUser PerUser, dbo.aspnet_Users Users, dbo.aspnet_Paths
                WHERE Paths.ApplicationId = @ApplicationId
                AND PerUser.UserId = Users.UserId
                AND PerUser.PathId = Paths.PathId
                AND (@InactiveSinceDate IS NULL OR Users.LastActivityDate <= @InactiveSinceDate)
                AND (@UserName IS NULL OR Users.LoweredUserName = LOWER(@UserName))
                AND (@Path IS NULL OR Paths.LoweredPath = LOWER(@Path)))

            SELECT @Count = @@ROWCOUNT
        END
END

```


Procedure: aspnet_PersonalizationAllUsers_GetPageSettings

Description

Retrieves shared state for the specified page from the aspnet_PersonalizationAllUsers table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@Path	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_PersonalizationAllUsers_GetPageSettings (
    @ApplicationName NVARCHAR(256),
    @Path            NVARCHAR(256))
AS
BEGIN
    DECLARE @ApplicationId UNIQUEIDENTIFIER
    DECLARE @PathId UNIQUEIDENTIFIER

    SELECT @ApplicationId = NULL
    SELECT @PathId = NULL

    EXEC dbo.aspnet_Personalization_GetApplicationId @ApplicationName, @ApplicationId OUTPUT
    IF (@ApplicationId IS NULL)
    BEGIN
        RETURN
    END

    SELECT @PathId = u.PathId FROM dbo.aspnet_Paths u WHERE u.ApplicationId = @ApplicationId AND
u.LoweredPath = LOWER(@Path)
    IF (@PathId IS NULL)
    BEGIN
        RETURN
    END

    SELECT p.PageSettings FROM dbo.aspnet_PersonalizationAllUsers p WHERE p.PathId = @PathId
END

```

Procedure: aspnet_PersonalizationAllUsers_ResetPageSettings

Description

Resets shared state for the specified page, by deleting the corresponding record from the aspnet_PersonalizationAllUsers table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@Path	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_PersonalizationAllUsers_ResetPageSettings (
    @ApplicationName NVARCHAR(256),
    @Path            NVARCHAR(256))
AS
BEGIN
    DECLARE @ApplicationId UNIQUEIDENTIFIER
    DECLARE @PathId UNIQUEIDENTIFIER

    SELECT @ApplicationId = NULL
    SELECT @PathId = NULL

    EXEC dbo.aspnet_Personalization_GetApplicationId @ApplicationName, @ApplicationId OUTPUT
    IF (@ApplicationId IS NULL)
    BEGIN
        RETURN
    END

    SELECT @PathId = u.PathId FROM dbo.aspnet_Paths u WHERE u.ApplicationId = @ApplicationId AND
    u.LoweredPath = LOWER(@Path)
    IF (@PathId IS NULL)
    BEGIN
        RETURN
    END

    DELETE FROM dbo.aspnet_PersonalizationAllUsers WHERE PathId = @PathId
    RETURN 0
END

```

Procedure: aspnet_PersonalizationAllUsers_SetPageSettings

Description

Saves shared state for the specified page in the aspnet_PersonalizationAllUsers table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@Path	nvarchar	Input
@PageSettings	image	Input
@CurrentTimeUtc	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_PersonalizationAllUsers_SetPageSettings (
    @ApplicationName NVARCHAR(256),
    @Path            NVARCHAR(256),
    @PageSettings   IMAGE,
    @CurrentTimeUtc DATETIME)
AS
BEGIN
    DECLARE @ApplicationId UNIQUEIDENTIFIER
    DECLARE @PathId UNIQUEIDENTIFIER

    SELECT @ApplicationId = NULL
    SELECT @PathId = NULL

    EXEC dbo.aspnet_Applications_CreateApplication @ApplicationName, @ApplicationId OUTPUT

    SELECT @PathId = u.PathId FROM dbo.aspnet_Paths u WHERE u.ApplicationId = @ApplicationId AND
u.LoweredPath = LOWER(@Path)
    IF (@PathId IS NULL)
    BEGIN
        EXEC dbo.aspnet_Paths_CreatePath @ApplicationId, @Path, @PathId OUTPUT
    END

    IF (EXISTS(SELECT PathId FROM dbo.aspnet_PersonalizationAllUsers WHERE PathId = @PathId))
        UPDATE dbo.aspnet_PersonalizationAllUsers SET PageSettings = @PageSettings, LastUpdatedDate =
@CurrentTimeUtc WHERE PathId = @PathId
    ELSE
        INSERT INTO dbo.aspnet_PersonalizationAllUsers(PathId, PageSettings, LastUpdatedDate) VALUES
(@PathId, @PageSettings, @CurrentTimeUtc)
    RETURN 0
END

```

Procedure: aspnet_PersonalizationPerUser_GetPageSettings

Description

Retrieves per-user state for the specified page and the specified user from the aspnet_PersonalizationPerUser table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@Path	nvarchar	Input
@CurrentTimeUtc	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_PersonalizationPerUser_GetPageSettings (
    @ApplicationName NVARCHAR(256),
    @UserName        NVARCHAR(256),
    @Path            NVARCHAR(256),
    @CurrentTimeUtc DATETIME)
AS
BEGIN
    DECLARE @ApplicationId UNIQUEIDENTIFIER
    DECLARE @PathId UNIQUEIDENTIFIER
    DECLARE @UserId UNIQUEIDENTIFIER

    SELECT @ApplicationId = NULL
    SELECT @PathId = NULL
    SELECT @UserId = NULL

    EXEC dbo.aspnet_Personalization_GetApplicationId @ApplicationName, @ApplicationId OUTPUT
    IF (@ApplicationId IS NULL)
    BEGIN
        RETURN
    END

    SELECT @PathId = u.PathId FROM dbo.aspnet_Paths u WHERE u.ApplicationId = @ApplicationId AND
u.LoweredPath = LOWER(@Path)
    IF (@PathId IS NULL)
    BEGIN
        RETURN
    END

    SELECT @UserId = u.UserId FROM dbo.aspnet_Users u WHERE u.ApplicationId = @ApplicationId AND
u.LoweredUserName = LOWER(@UserName)
    IF (@UserId IS NULL)
    BEGIN
        RETURN
    END

    UPDATE  dbo.aspnet_Users WITH (ROWLOCK)
    SET     LastActivityDate = @CurrentTimeUtc
    WHERE  UserId = @UserId
    IF (@@ROWCOUNT = 0) -- Username not found
    RETURN

```

Definition

```
SELECT p.PageSettings FROM dbo.aspnet_PersonalizationPerUser p WHERE p.PathId = @PathId AND  
p.UserId = @UserId  
END
```

Procedure: aspnet_PersonalizationPerUser_ResetPageSettings

Description

Resets per-user state for the specified page and the specified user, by deleting the corresponding record from the aspnet_PersonalizationPerUser table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@Path	nvarchar	Input
@CurrentTimeUtc	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_PersonalizationPerUser_ResetPageSettings (
    @ApplicationName NVARCHAR(256),
    @UserName        NVARCHAR(256),
    @Path           NVARCHAR(256),
    @CurrentTimeUtc DATETIME)
AS
BEGIN
    DECLARE @ApplicationId UNIQUEIDENTIFIER
    DECLARE @PathId UNIQUEIDENTIFIER
    DECLARE @UserId UNIQUEIDENTIFIER

    SELECT @ApplicationId = NULL
    SELECT @PathId = NULL
    SELECT @UserId = NULL

    EXEC dbo.aspnet_Personalization_GetApplicationId @ApplicationName, @ApplicationId OUTPUT
    IF (@ApplicationId IS NULL)
    BEGIN
        RETURN
    END

    SELECT @PathId = u.PathId FROM dbo.aspnet_Paths u WHERE u.ApplicationId = @ApplicationId AND
u.LoweredPath = LOWER(@Path)
    IF (@PathId IS NULL)
    BEGIN
        RETURN
    END

    SELECT @UserId = u.UserId FROM dbo.aspnet_Users u WHERE u.ApplicationId = @ApplicationId AND
u.LoweredUserName = LOWER(@UserName)
    IF (@UserId IS NULL)
    BEGIN
        RETURN
    END

    UPDATE  dbo.aspnet_Users WITH (ROWLOCK)
    SET     LastActivityDate = @CurrentTimeUtc
    WHERE  UserId = @UserId
    IF (@@ROWCOUNT = 0) -- Username not found
    RETURN

```

Definition

```
DELETE FROM dbo.aspnet_PersonalizationPerUser WHERE PathId = @PathId AND UserId = @UserId  
RETURN 0  
END
```

Procedure: aspnet_PersonalizationPerUser_SetPageSettings

Description

Saves per-user state for the specified page and the specified user in the aspnet_PersonalizationPerUser table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@Path	nvarchar	Input
@PageSettings	image	Input
@CurrentTimeUtc	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_PersonalizationPerUser_SetPageSettings (
    @ApplicationName NVARCHAR(256),
    @UserName        NVARCHAR(256),
    @Path            NVARCHAR(256),
    @PageSettings   IMAGE,
    @CurrentTimeUtc DATETIME)
AS
BEGIN
    DECLARE @ApplicationId UNIQUEIDENTIFIER
    DECLARE @PathId        UNIQUEIDENTIFIER
    DECLARE @UserId        UNIQUEIDENTIFIER

    SELECT @ApplicationId = NULL
    SELECT @PathId = NULL
    SELECT @UserId = NULL

    EXEC dbo.aspnet_Applications_CreateApplication @ApplicationName, @ApplicationId OUTPUT

    SELECT @PathId = u.PathId FROM dbo.aspnet_Paths u WHERE u.ApplicationId = @ApplicationId AND
u.LoweredPath = LOWER(@Path)
    IF (@PathId IS NULL)
    BEGIN
        EXEC dbo.aspnet_Paths_CreatePath @ApplicationId, @Path, @PathId OUTPUT
    END

    SELECT @UserId = u.UserId FROM dbo.aspnet_Users u WHERE u.ApplicationId = @ApplicationId AND
u.LoweredUserName = LOWER(@UserName)
    IF (@UserId IS NULL)
    BEGIN
        EXEC dbo.aspnet_Users_CreateUser @ApplicationId, @UserName, 0, @CurrentTimeUtc, @UserId
    END
    OUTPUT
    END

    UPDATE dbo.aspnet_Users WITH (ROWLOCK)
    SET    LastActivityDate = @CurrentTimeUtc
    WHERE UserId = @UserId
    IF (@@ROWCOUNT = 0) -- Username not found
    RETURN

    IF (EXISTS(SELECT PathId FROM dbo.aspnet_PersonalizationPerUser WHERE UserId = @UserId AND

```


Definition

```
PathId = @PathId))
    UPDATE dbo.aspnet_PersonalizationPerUser SET PageSettings = @PageSettings, LastUpdatedDate =
@CurrentTimeUtc WHERE UserId = @UserId AND PathId = @PathId
    ELSE
        INSERT INTO dbo.aspnet_PersonalizationPerUser(UserId, PathId, PageSettings, LastUpdatedDate)
VALUES (@UserId, @PathId, @PageSettings, @CurrentTimeUtc)
    RETURN 0
END
```

Procedure: aspnet_Profile_DeletInactiveProfiles

Description

Deletes profile data from the aspnet_Profile table for users whose last activity dates in the aspnet_Users table fall on or before the specified date.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@ProfileAuthOptions	int	Input
@InactiveSinceDate	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Profile_DeletInactiveProfiles
    @ApplicationName    nvarchar(256),
    @ProfileAuthOptions int,
    @InactiveSinceDate  datetime
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName)
= LoweredApplicationName
    IF (@ApplicationId IS NULL)
    BEGIN
        SELECT 0
        RETURN
    END

    DELETE
    FROM    dbo.aspnet_Profile
    WHERE  UserId IN
        ( SELECT UserId
          FROM    dbo.aspnet_Users u
          WHERE  ApplicationId = @ApplicationId
                AND (LastActivityDate <= @InactiveSinceDate)
                AND (
                    (@ProfileAuthOptions = 2)
                    OR (@ProfileAuthOptions = 0 AND IsAnonymous = 1)
                    OR (@ProfileAuthOptions = 1 AND IsAnonymous = 0)
                )
        )

    SELECT @@ROWCOUNT
END

```

Procedure: aspnet_Profile_DeleteProfiles

Description

Deletes profile data from the aspnet_Profile table for the specified users.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserNames	nvarchar	Input

Definition

```
CREATE PROCEDURE dbo.aspnet_Profile_DeleteProfiles
  @ApplicationName nvarchar(256),
  @UserNames      nvarchar(4000)
AS
BEGIN
  DECLARE @UserName nvarchar(256)
  DECLARE @CurrentPos int
  DECLARE @NextPos int
  DECLARE @NumDeleted int
  DECLARE @DeletedUser int
  DECLARE @TranStarted bit
  DECLARE @ErrorCode int

  SET @ErrorCode = 0
  SET @CurrentPos = 1
  SET @NumDeleted = 0
  SET @TranStarted = 0

  IF ( @@TRANCOUNT = 0 )
  BEGIN
    BEGIN TRANSACTION
    SET @TranStarted = 1
  END
  ELSE
    SET @TranStarted = 0

  WHILE (@CurrentPos <= LEN(@UserNames))
  BEGIN
    SELECT @NextPos = CHARINDEX(N',', @UserNames, @CurrentPos)
    IF (@NextPos = 0 OR @NextPos IS NULL)
      SELECT @NextPos = LEN(@UserNames) + 1

    SELECT @UserName = SUBSTRING(@UserNames, @CurrentPos, @NextPos - @CurrentPos)
    SELECT @CurrentPos = @NextPos+1

    IF (LEN(@UserName) > 0)
    BEGIN
      SELECT @DeletedUser = 0
      EXEC dbo.aspnet_Users_DeleteUser @ApplicationName, @UserName, 4, @DeletedUser OUTPUT
      IF ( @@ERROR <> 0 )
      BEGIN
        SET @ErrorCode = -1
        GOTO Cleanup
      END
      IF (@DeletedUser <> 0)
    END
  END
  IF (@DeletedUser <> 0)
  END

```

Definition

```
        SELECT @NumDeleted = @NumDeleted + 1
    END
END
SELECT @NumDeleted
IF (@TranStarted = 1)
BEGIN
    SET @TranStarted = 0
    COMMIT TRANSACTION
END
SET @TranStarted = 0

RETURN 0
```

Cleanup:

```
IF (@TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    ROLLBACK TRANSACTION
END
RETURN @ErrorCode
END
```

Procedure: aspnet_Profile_GetNumberOfInactiveProfiles

Description

Queries the aspnet_Profile table to get a count of profiles whose last activity dates (in the aspnet_Users table) fall on or before the specified date.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@ProfileAuthOptions	int	Input
@InactiveSinceDate	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Profile_GetNumberOfInactiveProfiles
    @ApplicationName    nvarchar(256),
    @ProfileAuthOptions int,
    @InactiveSinceDate  datetime
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName)
= LoweredApplicationName
    IF (@ApplicationId IS NULL)
    BEGIN
        SELECT 0
        RETURN
    END

    SELECT COUNT(*)
    FROM    dbo.aspnet_Users u, dbo.aspnet_Profile p
    WHERE   ApplicationId = @ApplicationId
           AND u.UserId = p.UserId
           AND (LastActivityDate <= @InactiveSinceDate)
           AND (
                (@ProfileAuthOptions = 2)
                OR (@ProfileAuthOptions = 0 AND IsAnonymous = 1)
                OR (@ProfileAuthOptions = 1 AND IsAnonymous = 0)
            )
END

```

Procedure: aspnet_Profile_GetProfiles

Description

Retrieves profile data from the aspnet_Profile table for users who match the criteria input to the stored procedure.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@ProfileAuthOptions	int	Input
@PageIndex	int	Input
@PageSize	int	Input
@UserNameToMatch	nvarchar	Input
@InactiveSinceDate	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Profile_GetProfiles
    @ApplicationName    nvarchar(256),
    @ProfileAuthOptions int,
    @PageIndex          int,
    @PageSize           int,
    @UserNameToMatch   nvarchar(256) = NULL,
    @InactiveSinceDate datetime      = NULL
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName)
= LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN

    -- Set the page bounds
    DECLARE @PageLowerBound int
    DECLARE @PageUpperBound int
    DECLARE @TotalRecords int
    SET @PageLowerBound = @PageSize * @PageIndex
    SET @PageUpperBound = @PageSize - 1 + @PageLowerBound

    -- Create a temp table TO store the select results
    CREATE TABLE #PageIndexForUsers
    (
        IndexId int IDENTITY (0, 1) NOT NULL,
        UserId uniqueidentifier
    )

    -- Insert into our temp table
    INSERT INTO #PageIndexForUsers (UserId)
    SELECT u.UserId
    FROM   dbo.aspnet_Users u, dbo.aspnet_Profile p
    WHERE  ApplicationId = @ApplicationId
          AND u.UserId = p.UserId
          AND (@InactiveSinceDate IS NULL OR LastActivityDate <= @InactiveSinceDate)

```

Definition

```

AND ( (@ProfileAuthOptions = 2)
      OR (@ProfileAuthOptions = 0 AND IsAnonymous = 1)
      OR (@ProfileAuthOptions = 1 AND IsAnonymous = 0)
      )
AND (@UserNameToMatch IS NULL OR LoweredUserName LIKE LOWER(@UserNameToMatch))
ORDER BY UserName

SELECT u.UserName, u.IsAnonymous, u.LastActivityDate, p.LastUpdatedDate,
       DATALENGTH(p.PropertyNames) + DATALENGTH(p.PropertyValuesString) +
DATALENGTH(p.PropertyValuesBinary)
FROM   dbo.aspnet_Users u, dbo.aspnet_Profile p, #PageIndexForUsers i
WHERE  u.UserId = p.UserId AND p.UserId = i.UserId AND i.IndexId >= @PageLowerBound AND i.IndexId
<= @PageUpperBound

SELECT COUNT(*)
FROM   #PageIndexForUsers

DROP TABLE #PageIndexForUsers
END

```

Procedure: aspnet_Profile_GetProperties

Description

Retrieves profile data for the specified user.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@CurrentTimeUtc	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Profile_GetProperties
    @ApplicationName nvarchar(256),
    @UserName nvarchar(256),
    @CurrentTimeUtc datetime
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM dbo.aspnet_Applications WHERE
LOWER(@ApplicationName) = LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN

    DECLARE @UserId uniqueidentifier
    SELECT @UserId = NULL

    SELECT @UserId = UserId
    FROM dbo.aspnet_Users
    WHERE ApplicationId = @ApplicationId AND LoweredUserName = LOWER(@UserName)

    IF (@UserId IS NULL)
        RETURN
    SELECT TOP 1 PropertyNames, PropertyValuesString, PropertyValuesBinary
    FROM dbo.aspnet_Profile
    WHERE UserId = @UserId

    IF (@@ROWCOUNT > 0)
    BEGIN
        UPDATE dbo.aspnet_Users
        SET LastActivityDate=@CurrentTimeUtc
        WHERE UserId = @UserId
    END
END

```


Procedure: aspnet_Profile_SetProperties

Description

Saves profile data for the specified user.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@PropertyNames	ntext	Input
@PropertyValuesString	ntext	Input
@PropertyValuesBinary	image	Input
@UserName	nvarchar	Input
@IsUserAnonymous	bit	Input
@CurrentTimeUtc	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Profile_SetProperties
    @ApplicationName    nvarchar(256),
    @PropertyNames      ntext,
    @PropertyValuesString ntext,
    @PropertyValuesBinary image,
    @UserName           nvarchar(256),
    @IsUserAnonymous   bit,
    @CurrentTimeUtc    datetime
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL

    DECLARE @ErrorCode    int
    SET @ErrorCode = 0

    DECLARE @TranStarted bit
    SET @TranStarted = 0

    IF( @@TRANCOUNT = 0 )
    BEGIN
        BEGIN TRANSACTION
        SET @TranStarted = 1
    END
    ELSE
        SET @TranStarted = 0

    EXEC dbo.aspnet_Applications_CreateApplication @ApplicationName, @ApplicationId OUTPUT

    IF( @@ERROR <> 0 )
    BEGIN
        SET @ErrorCode = -1
        GOTO Cleanup
    END

    DECLARE @UserId uniqueidentifier
    DECLARE @LastActivityDate datetime

```

Definition

```

SELECT @UserId = NULL
SELECT @LastActivityDate = @CurrentTimeUtc

SELECT @UserId = UserId
FROM   dbo.aspnet_Users
WHERE  ApplicationId = @ApplicationId AND LoweredUserName = LOWER(@UserName)
IF (@UserId IS NULL)
    EXEC dbo.aspnet_Users_CreateUser @ApplicationId, @UserName, @IsUserAnonymous,
@LastActivityDate, @UserId OUTPUT

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END

UPDATE dbo.aspnet_Users
SET   LastActivityDate=@CurrentTimeUtc
WHERE UserId = @UserId

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END

IF (EXISTS( SELECT *
            FROM   dbo.aspnet_Profile
            WHERE  UserId = @UserId))
    UPDATE dbo.aspnet_Profile
    SET   PropertyNames=@PropertyNames, PropertyValuesString = @PropertyValuesString,
        PropertyValuesBinary = @PropertyValuesBinary, LastUpdatedDate=@CurrentTimeUtc
    WHERE UserId = @UserId
ELSE
    INSERT INTO dbo.aspnet_Profile(UserId, PropertyNames, PropertyValuesString, PropertyValuesBinary,
LastUpdatedDate)
        VALUES (@UserId, @PropertyNames, @PropertyValuesString, @PropertyValuesBinary,
@CurrentTimeUtc)

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    COMMIT TRANSACTION
END

RETURN 0

Cleanup:

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    ROLLBACK TRANSACTION
END

```

Definition

```
RETURN @ErrorCode
```

```
END
```

Procedure: aspnet_RegisterSchemaVersion

Description

Registers the compatible schema required for the given feature.

Parameters

Name	Type	Direction
@Feature	nvarchar	Input
@CompatibleSchemaVersion	nvarchar	Input
@IsCurrentVersion	bit	Input
@RemoveIncompatibleSchema	bit	Input

Definition

```

CREATE PROCEDURE [dbo].aspnet_RegisterSchemaVersion
    @Feature          nvarchar(128),
    @CompatibleSchemaVersion nvarchar(128),
    @IsCurrentVersion bit,
    @RemoveIncompatibleSchema bit
AS
BEGIN
    IF( @RemoveIncompatibleSchema = 1 )
    BEGIN
        DELETE FROM dbo.aspnet_SchemaVersions WHERE Feature = LOWER( @Feature )
    END
    ELSE
    BEGIN
        IF( @IsCurrentVersion = 1 )
        BEGIN
            UPDATE dbo.aspnet_SchemaVersions
            SET IsCurrentVersion = 0
            WHERE Feature = LOWER( @Feature )
        END
    END

    INSERT dbo.aspnet_SchemaVersions( Feature, CompatibleSchemaVersion, IsCurrentVersion )
    VALUES( LOWER( @Feature ), @CompatibleSchemaVersion, @IsCurrentVersion )
END

```

Procedure: aspnet_Roles_CreateRole

Description

Adds a role to the aspnet_Roles table and, if necessary, adds a new application to the aspnet_Applications table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@RoleName	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Roles_CreateRole
    @ApplicationName nvarchar(256),
    @RoleName      nvarchar(256)
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL

    DECLARE @ErrorCode  int
    SET @ErrorCode = 0

    DECLARE @TranStarted  bit
    SET @TranStarted = 0

    IF( @@TRANCOUNT = 0 )
    BEGIN
        BEGIN TRANSACTION
        SET @TranStarted = 1
    END
    ELSE
        SET @TranStarted = 0

    EXEC dbo.aspnet_Applications_CreateApplication @ApplicationName, @ApplicationId OUTPUT

    IF( @@ERROR <> 0 )
    BEGIN
        SET @ErrorCode = -1
        GOTO Cleanup
    END

    IF (EXISTS(SELECT RoleId FROM dbo.aspnet_Roles WHERE LoweredRoleName = LOWER(@RoleName)
    AND ApplicationId = @ApplicationId))
    BEGIN
        SET @ErrorCode = 1
        GOTO Cleanup
    END

    INSERT INTO dbo.aspnet_Roles
        (ApplicationId, RoleName, LoweredRoleName)
    VALUES (@ApplicationId, @RoleName, LOWER(@RoleName))

    IF( @@ERROR <> 0 )
    BEGIN
        SET @ErrorCode = -1
    
```

Definition

```
GOTO Cleanup  
END
```

```
IF( @TranStarted = 1 )  
BEGIN  
    SET @TranStarted = 0  
    COMMIT TRANSACTION  
END
```

```
RETURN(0)
```

Cleanup:

```
IF( @TranStarted = 1 )  
BEGIN  
    SET @TranStarted = 0  
    ROLLBACK TRANSACTION  
END
```

```
RETURN @ErrorCode
```

```
END
```

Procedure: aspnet_Roles_DeleteRole

Description

Removes a role from the aspnet_Roles table. Optionally deletes records referencing the deleted role from the aspnet_UsersInRoles table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@RoleName	nvarchar	Input
@DeleteOnlyIfRoleIsEmpty	bit	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Roles_DeleteRole
    @ApplicationName    nvarchar(256),
    @RoleName          nvarchar(256),
    @DeleteOnlyIfRoleIsEmpty bit
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName)
= LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN(1)

    DECLARE @ErrorCode    int
    SET @ErrorCode = 0

    DECLARE @TranStarted bit
    SET @TranStarted = 0

    IF( @@TRANCOUNT = 0 )
    BEGIN
        BEGIN TRANSACTION
        SET @TranStarted = 1
    END
    ELSE
        SET @TranStarted = 0

    DECLARE @RoleId uniqueidentifier
    SELECT @RoleId = NULL
    SELECT @RoleId = RoleId FROM dbo.aspnet_Roles WHERE LoweredRoleName = LOWER(@RoleName)
AND ApplicationId = @ApplicationId

    IF (@RoleId IS NULL)
    BEGIN
        SELECT @ErrorCode = 1
        GOTO Cleanup
    END
    IF (@DeleteOnlyIfRoleIsEmpty <> 0)
    BEGIN
        IF (EXISTS (SELECT RoleId FROM dbo.aspnet_UsersInRoles WHERE @RoleId = RoleId))
        BEGIN
            SELECT @ErrorCode = 2
        END
    END
    GOTO Cleanup
END

```

Definition

```

        GOTO Cleanup
    END
END

```

```

DELETE FROM dbo.aspnet_UsersInRoles WHERE @RoleId = RoleId

```

```

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END

```

```

DELETE FROM dbo.aspnet_Roles WHERE @RoleId = RoleId AND ApplicationId = @ApplicationId

```

```

IF( @@ERROR <> 0 )
BEGIN
    SET @ErrorCode = -1
    GOTO Cleanup
END

```

```

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    COMMIT TRANSACTION
END

```

```

RETURN(0)

```

Cleanup:

```

IF( @TranStarted = 1 )
BEGIN
    SET @TranStarted = 0
    ROLLBACK TRANSACTION
END

```

```

RETURN @ErrorCode
END

```


Procedure: aspnet_Roles_GetAllRoles**Description**

Retrieves all roles with the specified application ID from the aspnet_Roles table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Roles_GetAllRoles (
    @ApplicationName    nvarchar(256))
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName)
= LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN
    SELECT RoleName
    FROM  dbo.aspnet_Roles WHERE ApplicationId = @ApplicationId
    ORDER BY RoleName
END

```

Procedure: aspnet_Roles_RoleExists

Description

Checks the aspnet_Roles table to determine whether the specified role exists.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@RoleName	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_Roles_RoleExists
    @ApplicationName nvarchar(256),
    @RoleName nvarchar(256)
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName)
= LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN(0)
    IF (EXISTS (SELECT RoleName FROM dbo.aspnet_Roles WHERE LOWER(@RoleName) =
LoweredRoleName AND ApplicationId = @ApplicationId ))
        RETURN(1)
    ELSE
        RETURN(0)
END

```

Procedure: aspnet_Setup_RemoveAllRoleMembers

Description

Removes all roles from the given SQL account.

Parameters

Name	Type	Direction
@name	nvarchar	Input

Definition

```

CREATE PROCEDURE [dbo].aspnet_Setup_RemoveAllRoleMembers
    @name sysname
AS
BEGIN
    CREATE TABLE #aspnet_RoleMembers
    (
        Group_name sysname,
        Group_id smallint,
        Users_in_group sysname,
        User_id smallint
    )

    INSERT INTO #aspnet_RoleMembers
    EXEC sp_helpuser @name

    DECLARE @user_id smallint
    DECLARE @cmd nvarchar(500)
    DECLARE c1 cursor FORWARD_ONLY FOR
        SELECT User_id FROM #aspnet_RoleMembers

    OPEN c1

    FETCH c1 INTO @user_id
    WHILE (@@fetch_status = 0)
    BEGIN
        SET @cmd = 'EXEC sp_droprolemember ' + '''' + @name + ''', '' + USER_NAME(@user_id) + ''''
        EXEC (@cmd)
        FETCH c1 INTO @user_id
    END

    CLOSE c1
    DEALLOCATE c1
END

```

Procedure: aspnet_Setup_RestorePermissions

Description

Restores permissions to the given SQL account.

Parameters

Name	Type	Direction
@name	nvarchar	Input

Definition

```

CREATE PROCEDURE [dbo].aspnet_Setup_RestorePermissions
    @name sysname
AS
BEGIN
    DECLARE @object sysname
    DECLARE @protectType char(10)
    DECLARE @action varchar(60)
    DECLARE @grantee sysname
    DECLARE @cmd nvarchar(500)
    DECLARE c1 cursor FORWARD_ONLY FOR
        SELECT Object, ProtectType, [Action], Grantee FROM #aspnet_Permissions where Object = @name

    OPEN c1

    FETCH c1 INTO @object, @protectType, @action, @grantee
    WHILE (@@fetch_status = 0)
    BEGIN
        SET @cmd = @protectType + ' ' + @action + ' on ' + @object + ' TO [' + @grantee + ']'
        EXEC (@cmd)
        FETCH c1 INTO @object, @protectType, @action, @grantee
    END

    CLOSE c1
    DEALLOCATE c1
END

```

Procedure: aspnet_UnRegisterSchemaVersion**Description**

Unregisters the schema version for the given feature.

Parameters

Name	Type	Direction
@Feature	nvarchar	Input
@CompatibleSchemaVersion	nvarchar	Input

Definition

```

CREATE PROCEDURE [dbo].aspnet_UnRegisterSchemaVersion
    @Feature          nvarchar(128),
    @CompatibleSchemaVersion nvarchar(128)
AS
BEGIN
    DELETE FROM dbo.aspnet_SchemaVersions
    WHERE Feature = LOWER(@Feature) AND @CompatibleSchemaVersion = CompatibleSchemaVersion
END

```

Procedure: aspnet_Users_CreateUser

Description

Adds a user to the aspnet_Users table. Called by aspnet_Membership_CreateUser.

Parameters

Name	Type	Direction
@ApplicationId	uniqueidentifier	Input
@UserName	nvarchar	Input
@IsUserAnonymous	bit	Input
@LastActivityDate	datetime	Input
@UserId	uniqueidentifier	Input/Output

Definition

```

CREATE PROCEDURE [dbo].aspnet_Users_CreateUser
    @ApplicationId uniqueidentifier,
    @UserName nvarchar(256),
    @IsUserAnonymous bit,
    @LastActivityDate DATETIME,
    @UserId uniqueidentifier OUTPUT
AS
BEGIN
    IF( @UserId IS NULL )
        SELECT @UserId = NEWID()
    ELSE
        BEGIN
            IF( EXISTS( SELECT UserId FROM dbo.aspnet_Users
                WHERE @UserId = UserId ) )
                RETURN -1
        END
    INSERT dbo.aspnet_Users (ApplicationId, UserId, UserName, LoweredUserName, IsAnonymous,
        LastActivityDate)
        VALUES (@ApplicationId, @UserId, @UserName, LOWER(@UserName), @IsUserAnonymous,
            @LastActivityDate)
    RETURN 0
END

```

Procedure: aspnet_Users_DeleteUser

Description

Deletes a user from the aspnet_Membership table and optionally from other SQL provider tables, including aspnet_Users.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@TablesToDeleteFrom	int	Input
@NumTablesDeletedFrom	int	Input/Output

Definition

```

CREATE PROCEDURE [dbo].aspnet_Users_DeleteUser
    @ApplicationName nvarchar(256),
    @UserName nvarchar(256),
    @TablesToDeleteFrom int,
    @NumTablesDeletedFrom int OUTPUT
AS
BEGIN
    DECLARE @UserId uniqueidentifier
    SELECT @UserId = NULL
    SELECT @NumTablesDeletedFrom = 0

    DECLARE @TranStarted bit
    SET @TranStarted = 0

    IF ( @@TRANCOUNT = 0 )
    BEGIN
        BEGIN TRANSACTION
        SET @TranStarted = 1
    END
    ELSE
        SET @TranStarted = 0

    DECLARE @ErrorCode int
    DECLARE @RowCount int

    SET @ErrorCode = 0
    SET @RowCount = 0

    SELECT @UserId = u.UserId
    FROM dbo.aspnet_Users u, dbo.aspnet_Applications a
    WHERE u.LoweredUserName = LOWER(@UserName)
        AND u.ApplicationId = a.ApplicationId
        AND LOWER(@ApplicationName) = a.LoweredApplicationName

    IF (@UserId IS NULL)
    BEGIN
        GOTO Cleanup
    END

    -- Delete from Membership table if (@TablesToDeleteFrom & 1) is set

```

Definition

```

IF ((@TablesToDeleteFrom & 1) <> 0 AND
    (EXISTS (SELECT name FROM sysobjects WHERE (name = N'vw_aspnet_MembershipUsers') AND
(type = 'V'))))
BEGIN
    DELETE FROM dbo.aspnet_Membership WHERE @UserId = UserId

    SELECT @ErrorCode = @@ERROR,
           @RowCount = @@ROWCOUNT

    IF( @ErrorCode <> 0 )
        GOTO Cleanup

    IF (@RowCount <> 0)
        SELECT @NumTablesDeletedFrom = @NumTablesDeletedFrom + 1
END

-- Delete from aspnet_UsersInRoles table if (@TablesToDeleteFrom & 2) is set
IF ((@TablesToDeleteFrom & 2) <> 0 AND
    (EXISTS (SELECT name FROM sysobjects WHERE (name = N'vw_aspnet_UsersInRoles') AND (type =
'V'))))
BEGIN
    DELETE FROM dbo.aspnet_UsersInRoles WHERE @UserId = UserId

    SELECT @ErrorCode = @@ERROR,
           @RowCount = @@ROWCOUNT

    IF( @ErrorCode <> 0 )
        GOTO Cleanup

    IF (@RowCount <> 0)
        SELECT @NumTablesDeletedFrom = @NumTablesDeletedFrom + 1
END

-- Delete from aspnet_Profile table if (@TablesToDeleteFrom & 4) is set
IF ((@TablesToDeleteFrom & 4) <> 0 AND
    (EXISTS (SELECT name FROM sysobjects WHERE (name = N'vw_aspnet_Profiles') AND (type = 'V'))))
BEGIN
    DELETE FROM dbo.aspnet_Profile WHERE @UserId = UserId

    SELECT @ErrorCode = @@ERROR,
           @RowCount = @@ROWCOUNT

    IF( @ErrorCode <> 0 )
        GOTO Cleanup

    IF (@RowCount <> 0)
        SELECT @NumTablesDeletedFrom = @NumTablesDeletedFrom + 1
END

-- Delete from aspnet_PersonalizationPerUser table if (@TablesToDeleteFrom & 8) is set
IF ((@TablesToDeleteFrom & 8) <> 0 AND
    (EXISTS (SELECT name FROM sysobjects WHERE (name = N'vw_aspnet_WebPartState_User') AND
(type = 'V'))))
BEGIN
    DELETE FROM dbo.aspnet_PersonalizationPerUser WHERE @UserId = UserId

    SELECT @ErrorCode = @@ERROR,
           @RowCount = @@ROWCOUNT

    IF( @ErrorCode <> 0 )

```


Definition

GOTO Cleanup

```

IF (@RowCount <> 0)
    SELECT @NumTablesDeletedFrom = @NumTablesDeletedFrom + 1
END

-- Delete from aspnet_Users table if (@TablesToDeleteFrom & 1,2,4 & 8) are all set
IF ((@TablesToDeleteFrom & 1) <> 0 AND
    (@TablesToDeleteFrom & 2) <> 0 AND
    (@TablesToDeleteFrom & 4) <> 0 AND
    (@TablesToDeleteFrom & 8) <> 0 AND
    (EXISTS (SELECT UserId FROM dbo.aspnet_Users WHERE @UserId = UserId)))
BEGIN
    DELETE FROM dbo.aspnet_Users WHERE @UserId = UserId

    SELECT @ErrorCode = @@ERROR,
           @RowCount = @@ROWCOUNT

    IF( @ErrorCode <> 0 )
        GOTO Cleanup

    IF (@RowCount <> 0)
        SELECT @NumTablesDeletedFrom = @NumTablesDeletedFrom + 1
    END

    IF( @TranStarted = 1 )
    BEGIN
        SET @TranStarted = 0
        COMMIT TRANSACTION
    END

    RETURN 0

Cleanup:
    SET @NumTablesDeletedFrom = 0

    IF( @TranStarted = 1 )
    BEGIN
        SET @TranStarted = 0
        ROLLBACK TRANSACTION
    END

    RETURN @ErrorCode

END

```

Procedure: aspnet_UsersInRoles_AddUsersToRoles

Description

Adds the specified users to the specified roles by adding them to the aspnet_UsersInRoles table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserNames	nvarchar	Input
@RoleNames	nvarchar	Input
@CurrentTimeUtc	datetime	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_UsersInRoles_AddUsersToRoles
    @ApplicationName nvarchar(256),
    @UserNames      nvarchar(4000),
    @RoleNames      nvarchar(4000),
    @CurrentTimeUtc datetime
AS
BEGIN
    DECLARE @AppId uniqueidentifier
    SELECT @AppId = NULL
    SELECT @AppId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName) =
LoweredApplicationName
    IF (@AppId IS NULL)
        RETURN(2)
    DECLARE @TranStarted bit
    SET @TranStarted = 0

    IF( @@TRANCOUNT = 0 )
    BEGIN
        BEGIN TRANSACTION
        SET @TranStarted = 1
    END

    DECLARE @tbNames table(Name nvarchar(256) NOT NULL PRIMARY KEY)
    DECLARE @tbRoles table(RoleId uniqueidentifier NOT NULL PRIMARY KEY)
    DECLARE @tbUsers table(UserId uniqueidentifier NOT NULL PRIMARY KEY)
    DECLARE @Num      int
    DECLARE @Pos      int
    DECLARE @NextPos  int
    DECLARE @Name     nvarchar(256)

    SET @Num = 0
    SET @Pos = 1
    WHILE(@Pos <= LEN(@RoleNames))
    BEGIN
        SELECT @NextPos = CHARINDEX(N',', @RoleNames, @Pos)
        IF (@NextPos = 0 OR @NextPos IS NULL)
            SELECT @NextPos = LEN(@RoleNames) + 1
        SELECT @Name = RTRIM(LTRIM(SUBSTRING(@RoleNames, @Pos, @NextPos - @Pos)))
        SELECT @Pos = @NextPos+1

        INSERT INTO @tbNames VALUES (@Name)
    
```

Definition

```

        SET @Num = @Num + 1
    END

    INSERT INTO @tbRoles
    SELECT RoleId
    FROM   dbo.aspnet_Roles ar, @tbNames t
    WHERE LOWER(t.Name) = ar.LoweredRoleName AND ar.ApplicationId = @Appld

    IF (@@ROWCOUNT <> @Num)
    BEGIN
        SELECT TOP 1 Name
        FROM   @tbNames
        WHERE LOWER(Name) NOT IN (SELECT ar.LoweredRoleName FROM dbo.aspnet_Roles
ar, @tbRoles r WHERE r.RoleId = ar.RoleId)
        IF( @TranStarted = 1 )
            ROLLBACK TRANSACTION
        RETURN(2)
    END

    DELETE FROM @tbNames WHERE 1=1
    SET @Num = 0
    SET @Pos = 1

    WHILE(@Pos <= LEN(@UserNames))
    BEGIN
        SELECT @NextPos = CHARINDEX(N',', @UserNames, @Pos)
        IF (@NextPos = 0 OR @NextPos IS NULL)
            SELECT @NextPos = LEN(@UserNames) + 1
        SELECT @Name = RTRIM(LTRIM(SUBSTRING(@UserNames, @Pos, @NextPos - @Pos)))
        SELECT @Pos = @NextPos+1

        INSERT INTO @tbNames VALUES (@Name)
        SET @Num = @Num + 1
    END

    INSERT INTO @tbUsers
    SELECT UserId
    FROM   dbo.aspnet_Users ar, @tbNames t
    WHERE LOWER(t.Name) = ar.LoweredUserName AND ar.ApplicationId = @Appld

    IF (@@ROWCOUNT <> @Num)
    BEGIN
        DELETE FROM @tbNames
        WHERE LOWER(Name) IN (SELECT LoweredUserName FROM dbo.aspnet_Users au,
@tbUsers u WHERE au.UserId = u.UserId)

        INSERT dbo.aspnet_Users (ApplicationId, UserId, UserName, LoweredUserName,
IsAnonymous, LastActivityDate)
        SELECT @Appld, NEWID(), Name, LOWER(Name), 0, @CurrentTimeUtc
        FROM   @tbNames

        INSERT INTO @tbUsers
        SELECT UserId
        FROM   dbo.aspnet_Users au, @tbNames t
        WHERE LOWER(t.Name) = au.LoweredUserName AND au.ApplicationId = @Appld
    END

    IF (EXISTS (SELECT * FROM dbo.aspnet_UsersInRoles ur, @tbUsers tu, @tbRoles tr WHERE
tu.UserId = ur.UserId AND tr.RoleId = ur.RoleId))
    BEGIN

```

Definition

```
SELECT TOP 1 UserName, RoleName
FROM      dbo.aspnet_UsersInRoles ur, @tbUsers tu, @tbRoles tr, aspnet_Users u,
aspnet_Roles r
WHERE     u.UserId = tu.UserId AND r.RoleId = tr.RoleId AND tu.UserId =
ur.UserId AND tr.RoleId = ur.RoleId

IF( @TranStarted = 1 )
    ROLLBACK TRANSACTION
RETURN(3)
END

INSERT INTO dbo.aspnet_UsersInRoles (UserId, RoleId)
SELECT UserId, RoleId
FROM @tbUsers, @tbRoles

IF( @TranStarted = 1 )
    COMMIT TRANSACTION
RETURN(0)
END
```

Procedure: aspnet_UsersInRoles_FindUsersInRole

Description

Queries the aspnet_UsersInRoles table for all users belonging to the specified role whose user names match the specified pattern.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@RoleName	nvarchar	Input
@UserNameToMatch	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_UsersInRoles_FindUsersInRole
    @ApplicationName nvarchar(256),
    @RoleName nvarchar(256),
    @UserNameToMatch nvarchar(256)
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName)
= LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN(1)
    DECLARE @RoleId uniqueidentifier
    SELECT @RoleId = NULL

    SELECT @RoleId = RoleId
    FROM dbo.aspnet_Roles
    WHERE LOWER(@RoleName) = LoweredRoleName AND ApplicationId = @ApplicationId

    IF (@RoleId IS NULL)
        RETURN(1)

    SELECT u.UserName
    FROM dbo.aspnet_Users u, dbo.aspnet_UsersInRoles ur
    WHERE u.UserId = ur.UserId AND @RoleId = ur.RoleId AND u.ApplicationId = @ApplicationId AND
LoweredUserName LIKE LOWER(@UserNameToMatch)
    ORDER BY u.UserName
    RETURN(0)
END

```

Procedure: aspnet_UsersInRoles_GetRolesForUser

Description

Queries the aspnet_UsersInRoles table for all roles assigned to a specified user.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_UsersInRoles_GetRolesForUser
    @ApplicationName nvarchar(256),
    @UserName nvarchar(256)
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName)
= LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN(1)
    DECLARE @UserId uniqueidentifier
    SELECT @UserId = NULL

    SELECT @UserId = UserId
    FROM dbo.aspnet_Users
    WHERE LoweredUserName = LOWER(@UserName) AND ApplicationId = @ApplicationId

    IF (@UserId IS NULL)
        RETURN(1)

    SELECT r.RoleName
    FROM dbo.aspnet_Roles r, dbo.aspnet_UsersInRoles ur
    WHERE r.RoleId = ur.RoleId AND r.ApplicationId = @ApplicationId AND ur.UserId = @UserId
    ORDER BY r.RoleName
    RETURN (0)
END

```

Procedure: aspnet_UsersInRoles_GetUsersInRoles

Description

Queries the aspnet_UsersInRoles table for all users belonging to the specified role.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@RoleName	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_UsersInRoles_GetUsersInRoles
    @ApplicationName nvarchar(256),
    @RoleName nvarchar(256)
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName)
= LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN(1)
    DECLARE @RoleId uniqueidentifier
    SELECT @RoleId = NULL

    SELECT @RoleId = RoleId
    FROM dbo.aspnet_Roles
    WHERE LOWER(@RoleName) = LoweredRoleName AND ApplicationId = @ApplicationId

    IF (@RoleId IS NULL)
        RETURN(1)

    SELECT u.UserName
    FROM dbo.aspnet_Users u, dbo.aspnet_UsersInRoles ur
    WHERE u.UserId = ur.UserId AND @RoleId = ur.RoleId AND u.ApplicationId = @ApplicationId
    ORDER BY u.UserName
    RETURN(0)
END

```

Procedure: aspnet_UsersInRoles_IsUserInRole

Description

Checks the aspnet_UsersInRoles table to determine whether the specified user belongs to the specified role.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserName	nvarchar	Input
@RoleName	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_UsersInRoles_IsUserInRole
    @ApplicationName nvarchar(256),
    @UserName        nvarchar(256),
    @RoleName        nvarchar(256)
AS
BEGIN
    DECLARE @ApplicationId uniqueidentifier
    SELECT @ApplicationId = NULL
    SELECT @ApplicationId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName)
= LoweredApplicationName
    IF (@ApplicationId IS NULL)
        RETURN(2)
    DECLARE @UserId uniqueidentifier
    SELECT @UserId = NULL
    DECLARE @RoleId uniqueidentifier
    SELECT @RoleId = NULL

    SELECT @UserId = UserId
    FROM   dbo.aspnet_Users
    WHERE LoweredUserName = LOWER(@UserName) AND ApplicationId = @ApplicationId

    IF (@UserId IS NULL)
        RETURN(2)

    SELECT @RoleId = RoleId
    FROM   dbo.aspnet_Roles
    WHERE LoweredRoleName = LOWER(@RoleName) AND ApplicationId = @ApplicationId

    IF (@RoleId IS NULL)
        RETURN(3)

    IF (EXISTS( SELECT * FROM dbo.aspnet_UsersInRoles WHERE UserId = @UserId AND RoleId =
@RoleId))
        RETURN(1)
    ELSE
        RETURN(0)
END

```


Procedure: aspnet_UsersInRoles_RemoveUsersFromRoles

Description

Removes the specified users from the specified roles by deleting the corresponding records from the aspnet_UsersInRoles table.

Parameters

Name	Type	Direction
@ApplicationName	nvarchar	Input
@UserNames	nvarchar	Input
@RoleNames	nvarchar	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_UsersInRoles_RemoveUsersFromRoles
    @ApplicationName nvarchar(256),
    @UserNames      nvarchar(4000),
    @RoleNames      nvarchar(4000)
AS
BEGIN
    DECLARE @AppId uniqueidentifier
    SELECT @AppId = NULL
    SELECT @AppId = ApplicationId FROM aspnet_Applications WHERE LOWER(@ApplicationName) =
LoweredApplicationName
    IF (@AppId IS NULL)
        RETURN(2)

    DECLARE @TranStarted bit
    SET @TranStarted = 0

    IF( @@TRANCOUNT = 0 )
    BEGIN
        BEGIN TRANSACTION
        SET @TranStarted = 1
    END

    DECLARE @tbNames table(Name nvarchar(256) NOT NULL PRIMARY KEY)
    DECLARE @tbRoles table(RoleId uniqueidentifier NOT NULL PRIMARY KEY)
    DECLARE @tbUsers table(UserId uniqueidentifier NOT NULL PRIMARY KEY)
    DECLARE @Num      int
    DECLARE @Pos      int
    DECLARE @NextPos  int
    DECLARE @Name     nvarchar(256)
    DECLARE @CountAll int
    DECLARE @CountU   int
    DECLARE @CountR   int

    SET @Num = 0
    SET @Pos = 1
    WHILE(@Pos <= LEN(@RoleNames))
    BEGIN
        SELECT @NextPos = CHARINDEX(N',', @RoleNames, @Pos)
        IF (@NextPos = 0 OR @NextPos IS NULL)
            SELECT @NextPos = LEN(@RoleNames) + 1
    
```

Definition

```

SELECT @Name = RTRIM(LTRIM(SUBSTRING(@RoleNames, @Pos, @NextPos - @Pos)))
SELECT @Pos = @NextPos+1

INSERT INTO @tbNames VALUES (@Name)
SET @Num = @Num + 1
END

INSERT INTO @tbRoles
SELECT RoleId
FROM dbo.aspnet_Roles ar, @tbNames t
WHERE LOWER(t.Name) = ar.LoweredRoleName AND ar.ApplicationId = @AppId
SELECT @CountR = @@ROWCOUNT

IF (@CountR <> @Num)
BEGIN
    SELECT TOP 1 N", Name
    FROM @tbNames
    WHERE LOWER(Name) NOT IN (SELECT ar.LoweredRoleName FROM dbo.aspnet_Roles
ar, @tbRoles r WHERE r.RoleId = ar.RoleId)
    IF( @TranStarted = 1 )
        ROLLBACK TRANSACTION
    RETURN(2)
END

DELETE FROM @tbNames WHERE 1=1
SET @Num = 0
SET @Pos = 1

WHILE(@Pos <= LEN(@UserNames))
BEGIN
    SELECT @NextPos = CHARINDEX(N',', @UserNames, @Pos)
    IF (@NextPos = 0 OR @NextPos IS NULL)
        SELECT @NextPos = LEN(@UserNames) + 1
    SELECT @Name = RTRIM(LTRIM(SUBSTRING(@UserNames, @Pos, @NextPos - @Pos)))
    SELECT @Pos = @NextPos+1

    INSERT INTO @tbNames VALUES (@Name)
    SET @Num = @Num + 1
END

INSERT INTO @tbUsers
SELECT UserId
FROM dbo.aspnet_Users ar, @tbNames t
WHERE LOWER(t.Name) = ar.LoweredUserName AND ar.ApplicationId = @AppId

SELECT @CountU = @@ROWCOUNT
IF (@CountU <> @Num)
BEGIN
    SELECT TOP 1 Name, N"
    FROM @tbNames
    WHERE LOWER(Name) NOT IN (SELECT au.LoweredUserName FROM dbo.aspnet_Users
au, @tbUsers u WHERE u.UserId = au.UserId)

    IF( @TranStarted = 1 )
        ROLLBACK TRANSACTION
    RETURN(1)
END

```

Definition

```

SELECT @CountAll = COUNT(*)
FROM dbo.aspnet_UsersInRoles ur, @tbUsers u, @tbRoles r
WHERE ur.UserId = u.UserId AND ur.RoleId = r.RoleId

IF (@CountAll <> @CountU * @CountR)
BEGIN
    SELECT TOP 1 UserName, RoleName
    FROM @tbUsers tu, @tbRoles tr, dbo.aspnet_Users u, dbo.aspnet_Roles r
    WHERE u.UserId = tu.UserId AND r.RoleId = tr.RoleId AND
    tu.UserId NOT IN (SELECT ur.UserId FROM dbo.aspnet_UsersInRoles
ur WHERE ur.RoleId = tr.RoleId) AND
    tr.RoleId NOT IN (SELECT ur.RoleId FROM dbo.aspnet_UsersInRoles
ur WHERE ur.UserId = tu.UserId)
    IF( @TranStarted = 1 )
        ROLLBACK TRANSACTION
    RETURN(3)
END

DELETE FROM dbo.aspnet_UsersInRoles
WHERE UserId IN (SELECT UserId FROM @tbUsers)
AND RoleId IN (SELECT RoleId FROM @tbRoles)
IF( @TranStarted = 1 )
    COMMIT TRANSACTION
RETURN(0)
END

```

Procedure: aspnet_WebEvent_LogEvent

Description

Records a Web event in the aspnet_WebEvents_Events table.

Parameters

Name	Type	Direction
@EventId	char	Input
@EventTimeUtc	datetime	Input
@EventTime	datetime	Input
@EventType	nvarchar	Input
@EventSequence	decimal	Input
@EventOccurrence	decimal	Input
@EventCode	int	Input
@EventDetailCode	int	Input
@Message	nvarchar	Input
@ApplicationPath	nvarchar	Input
@ApplicationVirtualPath	nvarchar	Input
@MachineName	nvarchar	Input
@RequestUrl	nvarchar	Input
@ExceptionType	nvarchar	Input
@Details	ntext	Input

Definition

```

CREATE PROCEDURE dbo.aspnet_WebEvent_LogEvent
    @EventId char(32),
    @EventTimeUtc datetime,
    @EventTime datetime,
    @EventType nvarchar(256),
    @EventSequence decimal(19,0),
    @EventOccurrence decimal(19,0),
    @EventCode int,
    @EventDetailCode int,
    @Message nvarchar(1024),
    @ApplicationPath nvarchar(256),
    @ApplicationVirtualPath nvarchar(256),
    @MachineName nvarchar(256),
    @RequestUrl nvarchar(1024),
    @ExceptionType nvarchar(256),
    @Details ntext
AS
BEGIN
    INSERT
        dbo.aspnet_WebEvent_Events
    (
        EventId,
        EventTimeUtc,
        EventTime,

```

Definition

```
        EventType,  
        EventSequence,  
        EventOccurrence,  
        EventCode,  
        EventDetailCode,  
        Message,  
        ApplicationPath,  
        ApplicationVirtualPath,  
        MachineName,  
        RequestUrl,  
        ExceptionType,  
        Details  
    )  
VALUES  
(  
    @EventId,  
    @EventTimeUtc,  
    @EventTime,  
    @EventType,  
    @EventSequence,  
    @EventOccurrence,  
    @EventCode,  
    @EventDetailCode,  
    @Message,  
    @ApplicationPath,  
    @ApplicationVirtualPath,  
    @MachineName,  
    @RequestUrl,  
    @ExceptionType,  
    @Details  
)  
END
```

A

- ASPNETDB Database 4
- aspnet_Applications 6
- aspnet_Membership 8
- aspnet_Paths 10
- aspnet_PersonalizationAllUsers 11
- aspnet_PersonalizationPerUser 12
- aspnet_Profile 14
- aspnet_Roles 15
- aspnet_SchemaVersions 16
- aspnet_Users 17
- aspnet_UsersInRoles 19
- aspnet_WebEvent_Events 20

P

Procedure

- aspnet_AnyDataInTables 36
- aspnet_Applications_CreateApplication 38
- aspnet_CheckSchemaVersion 40
- aspnet_Membership_ChangePasswordQuestionAndAnswer 41
- aspnet_Membership_CreateUser 42
- aspnet_Membership_FindUsersByEmail 46
- aspnet_Membership_FindUsersByName 48
- aspnet_Membership_GetAllUsers 50
- aspnet_Membership_GetNumberOfUsersOnline 52
- aspnet_Membership_GetPassword 53
- aspnet_Membership_GetPasswordWithFormat 56
- aspnet_Membership_GetUserByEmail 58
- aspnet_Membership_GetUserByName 59
- aspnet_Membership_GetUserById 61
- aspnet_Membership_ResetPassword 62
- aspnet_Membership_SetPassword 65
- aspnet_Membership_UnlockUser 66
- aspnet_Membership_UpdateUser 67
- aspnet_Membership_UpdateUserInfo 69
- aspnet_Paths_CreatePath 72
- aspnet_PersonalizationAdministration_DeleteAllState 74
- aspnet_PersonalizationAdministration_FindState 75
- aspnet_PersonalizationAdministration_GetCountOfState 78
- aspnet_PersonalizationAdministration_ResetSharedState 79
- aspnet_PersonalizationAdministration_ResetUserState 80
- aspnet_PersonalizationAllUsers_GetPageSettings 81
- aspnet_PersonalizationAllUsers_ResetPageSettings 82

aspnet_PersonalizationAllUsers_SetPageSettings 83
aspnet_PersonalizationPerUser_GetPageSettings 84
aspnet_PersonalizationPerUser_ResetPageSettings 86
aspnet_PersonalizationPerUser_SetPageSettings 88
aspnet_Personalization_GetApplicationId 73
aspnet_Profile_DeleteInactiveProfiles 90
aspnet_Profile_DeleteProfiles 91
aspnet_Profile_GetNumberOfInactiveProfiles 93
aspnet_Profile_GetProfiles 94
aspnet_Profile_GetProperties 96
aspnet_Profile_SetProperties 97
aspnet_RegisterSchemaVersion 100
aspnet_Roles_CreateRole 101
aspnet_Roles_DeleteRole 103
aspnet_Roles_GetAllRoles 105
aspnet_Roles_RoleExists 106
aspnet_Setup_RemoveAllRoleMembers 107
aspnet_Setup_RestorePermissions 108
aspnet_UnRegisterSchemaVersion 109
aspnet_UsersInRoles_AddUsersToRoles 114
aspnet_UsersInRoles_FindUsersInRole 117
aspnet_UsersInRoles_GetRolesForUser 118
aspnet_UsersInRoles_GetUsersInRoles 119
aspnet_UsersInRoles_IsUserInRole 120
aspnet_UsersInRoles_RemoveUsersFromRoles 121
aspnet_Users_CreateUser 110
aspnet_Users_DeleteUser 111
aspnet_WebEvent_LogEvent 124

Procedures 33

T

Tables 5

V

Views 22

vw_aspnet_Applications 23

vw_aspnet_MembershipUsers 24

vw_aspnet_Profiles 26

vw_aspnet_Roles 27

vw_aspnet_Users 28

vw_aspnet_UsersInRoles 29

vw_aspnet_WebPartState_Paths 30

vw_aspnet_WebPartState_Shared 31

vw_aspnet_WebPartState_User 32