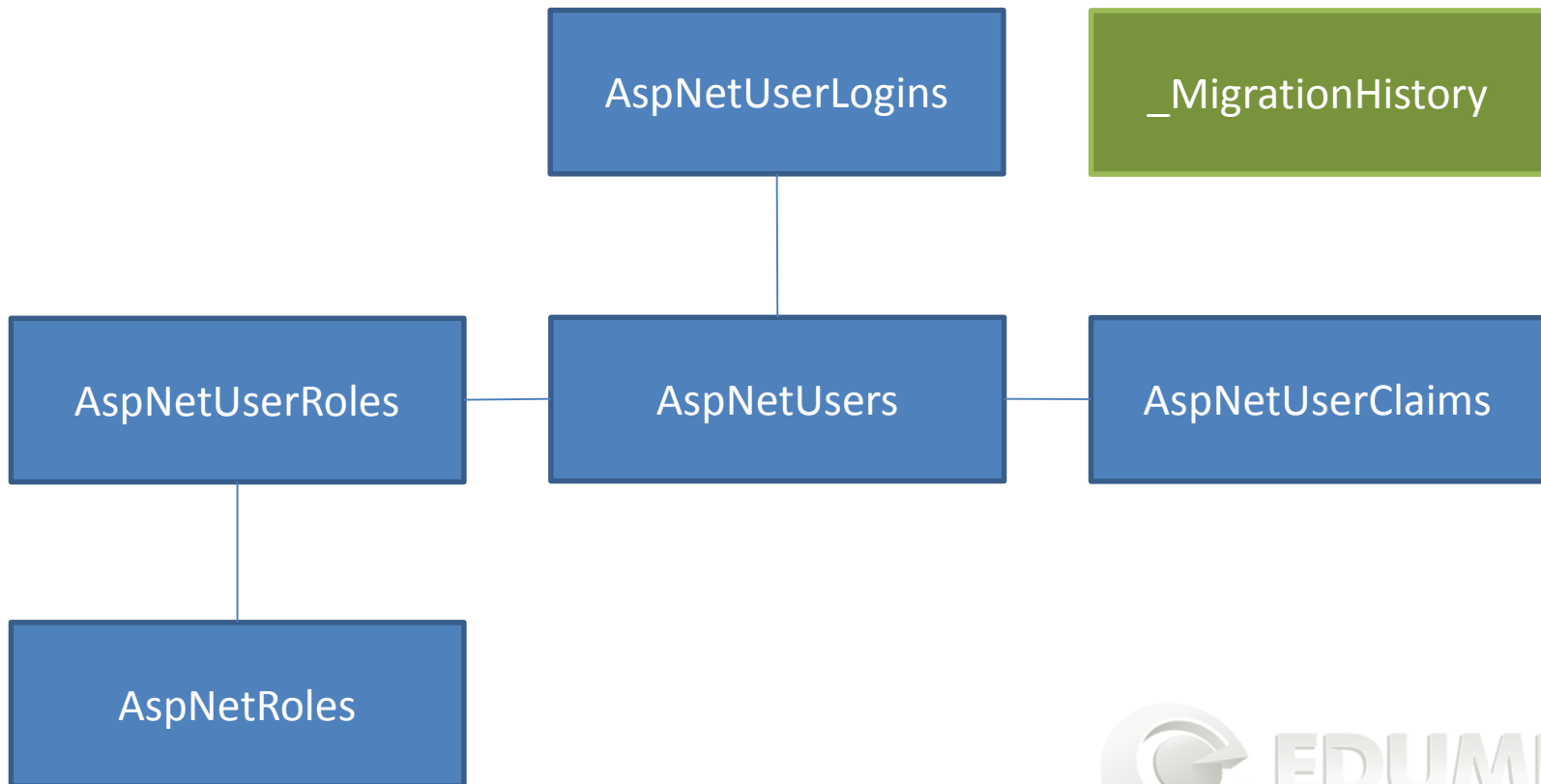


ASP.NET Identity - Database

ASP.NET Identity - Database

ASP.NET has its own default database structure for the purpose of handling user information.



ASP.NET Identity - Database

AspNetUsers

Column	Description
Id	A generated GUID value
Username	Email value by default
Email	Users email
PhoneNumber	Users phone number
PasswordHash	Hashed password
SecurityStamp	A generated GUID value
EmailConfirmed	Confirmation for email
PhoneNumberConfirmed	Confirmation for phone number
TwoFactorEnabled	Enables email / phone confirmation
LockOutEnabled	Enables lock out
LockOutEndDateUtc	Sets the lock out time
AccessFailedCount	Number of failed logins attempts

- Table for storing users
- User information
- Two Factor Authentication feature
- Account lockout feature

GUID

- A GUID is a globally unique, randomly generated ,128-bit integer ID
- Low chance of duplication
- Total number of possible GUID = 2^{128}

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Password Hash

- Password is hashed
- Salt contains 16 bytes (with a range between 0-255)
- Salt is added in front of the hashed password
- Converted to Base64String

ASP.NET Identity - Database

AspNetRoles

Column	Description
Id	A generated GUID value
Name	The name of the role

- Table for storing roles

AspNetUserRoles

Column	Description
UserId	The Users ID
RoleId	The Roles ID

- A relation table between users and roles

ASP.NET Identity - Database

AspNetUserLogins

Column	Description
LoginProvider	The Login Provider (ex. Google, Facebook)
ProviderKey	Provider specific ID for the user
UserId	The Users ID

- Table used to store users using external logins

ASP.NET Identity - Database

AspNetUserClaims

Column	Description
Id	An auto incrementing ID
UserId	The users ID
ClaimType	The type of the claim
ClaimValue	The value of the claim

- Table used to store claims

ASP.NET Identity - Database

_MigrationHistory

Column	Description
MigrationId	ID for migration
ContextKey	Key for database context
Model	
ProductVersion	Entity Framework version

- Table used to store migration history