Multi Tenancy using ASP.NET MVC 4

Step 1:

- Attach database with 'MultiTenancy.mdf' or restore with 'MultiTenancy.bak' to MS SQL Server, or create database by query 'MultiTenancy.sql'

- Assign account: username = sa, pwd = sa to the DB.

Step 2:

- Change connection string to SQL in web folder at 'TenantID/Web.config' and 'UrlRouting/Web.config'

Step 3:

- Test with default accounts on system

- username: dunglp, pwd: dunglp

- You can register a new account to test the system. For TenantID project, User Info will be stored in the same place with other Users and indentified by TenantID. For UrlRouting project, each User will have his own Schema to store his information, for example: user dunglp will store his information in table dunglp.User, user cuongtd will store his information in table cuongtd.User.

- Log in and View/Update User Details Information

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TenantID

localhost/controller/action/id – Shared Database, Shared Schema

- Authentication: after user logged in, site can determin which tenant based on authenticated identities.

UrlRouting

localhost/tenantID/controller/action/id – Shared Database, Different Schema.

Identifying the tenant from a web request - the URL path. For example, tenant 1 and 2 could use:

http://localhost/1/Controller/Action/Id

http://localhost/2/Controller/Action/Id

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References:

Multi-Tenant Data Architecture: http://msdn.microsoft.com/en-us/library/aa479086.aspx

Multi Tenant Architecture with Asp.net MVC 4: http://lonetechie.com/2012/09/25/multi-tenant-architecture-with-asp-net-mvc-4/

Setup a route {tenant}/{controller}/{action}/{id} with ASP.NET MVC? : http://stackoverflow.com/questions/1699913/setup-a-route-tenant-controller-action-id-with-asp-net-mvc

SIMPLE MULTITENANCY WITH ASP.NET MVC 4: http://www.dennisonpro.info/simple-multitenancy-with-asp-net-mvc-4/

EF 4.1 Multi-Tenant With Code First: http://romiller.com/2011/05/23/ef-4-1-multi-tenant-with-code-first/