RAM Deployment

# Production Server:

Check .NET Foundation version: V4.5

## SMTP:

Host name:

SSL: Yes / no

Login name:

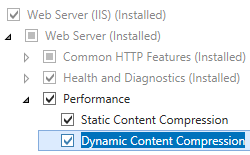
Password:

## Install Windows feature:

### Dynamic Content Compression

WINDOWS SERVER 2012 OR WINDOWS SERVER 2012 R2

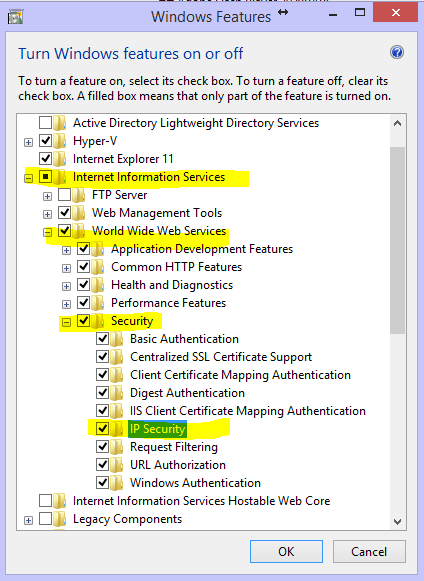
1. On the taskbar, click **Server Manager**.
2. In **Server Manager**, click the **Manage** menu, and then click **Add Roles and Features**.
3. In the **Add Roles and Features** wizard, click **Next**. Select the installation type and click **Next**. Select the destination server and click **Next**.
4. On the **Server Roles** page, expand **Web Server (IIS)**, expand **Web Server**, expand **Performance**, and then select **Static Content Compression** and/or **Dynamic Content Compression**. Click **Next**.

[](http://www-iis.azureedge.net/v-2016-03-08-001/images/configreference/httpCompression_Setup_WinServer2012.png)

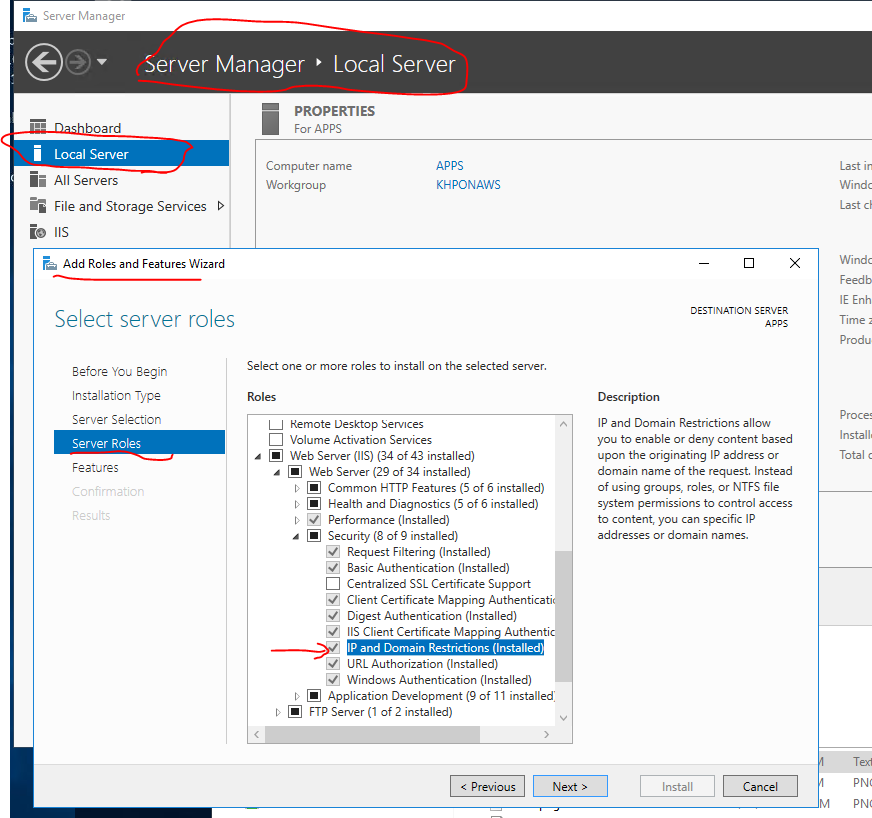
1. On the **Select features** page, click **Next**.
2. On the **Confirm installation selections** page, click **Install**.
3. On the **Results** page, click **Close**.

### IP Security

Control Panel>Turn Windows Features on or off > Internet Information Services



Windows 2016：



## Enable GZIP

### Edit applicationHost.config

Edit: C:\Windows\System32\inetsrv\config\applicationHost.config

原始的在大约261行

*<httpCompression directory="%SystemDrive%\inetpub\temp\IIS Temporary Compressed Files">*

*<scheme name="gzip" dll="%Windir%\system32\inetsrv\gzip.dll" />*

*<dynamicTypes>*

*<add mimeType="text/\*" enabled="true" />*

*<add mimeType="message/\*" enabled="true" />*

*<add mimeType="application/x-javascript" enabled="true" />*

*<add mimeType="application/javascript" enabled="true" />*

*<add mimeType="\*/\*" enabled="false" />*

*</dynamicTypes>*

*<staticTypes>*

*<add mimeType="text/\*" enabled="true" />*

*<add mimeType="message/\*" enabled="true" />*

*<add mimeType="application/javascript" enabled="true" />*

*<add mimeType="application/atom+xml" enabled="true" />*

*<add mimeType="application/xaml+xml" enabled="true" />*

*<add mimeType="image/svg+xml" enabled="true" />*

*<add mimeType="\*/\*" enabled="false" />*

*</staticTypes>*

*</httpCompression>*

**改成下面这个**

<httpCompression directory="%SystemDrive%\inetpub\temp\IIS Temporary Compressed Files">

<scheme name="gzip" dll="%Windir%\system32\inetsrv\gzip.dll" />

<staticTypes>

<add mimeType="text/\*" enabled="true" />

<add mimeType="message/\*" enabled="true" />

<add mimeType="application/javascript" enabled="true" />

<add mimeType="application/x-javascript" enabled="true" />

<add mimeType="application/json" enabled="true" />

<add mimeType="application/json; charset=utf-8" enabled="true" />

<add mimeType="application/atom+xml" enabled="true" />

<add mimeType="application/xaml+xml" enabled="true" />

<add mimeType="application/xml" enabled="true" />

<add mimeType="application/xml; charset=utf-8" enabled="true" />

<add mimeType="\*/\*" enabled="false" />

</staticTypes>

<dynamicTypes>

<add mimeType="text/\*" enabled="true" />

<add mimeType="message/\*" enabled="true" />

<add mimeType="application/x-javascript" enabled="true" />

<add mimeType="application/javascript" enabled="true" />

<add mimeType="application/json" enabled="true" />

<add mimeType="application/json; charset=utf-8" enabled="true" />

<add mimeType="application/atom+xml" enabled="true" />

<add mimeType="application/xaml+xml" enabled="true" />

<add mimeType="application/xml; charset=utf-8" enabled="true" />

<add mimeType="application/xml" enabled="true" />

<add mimeType="\*/\*" enabled="false" />

</dynamicTypes>

</httpCompression>

## IIS Configuration

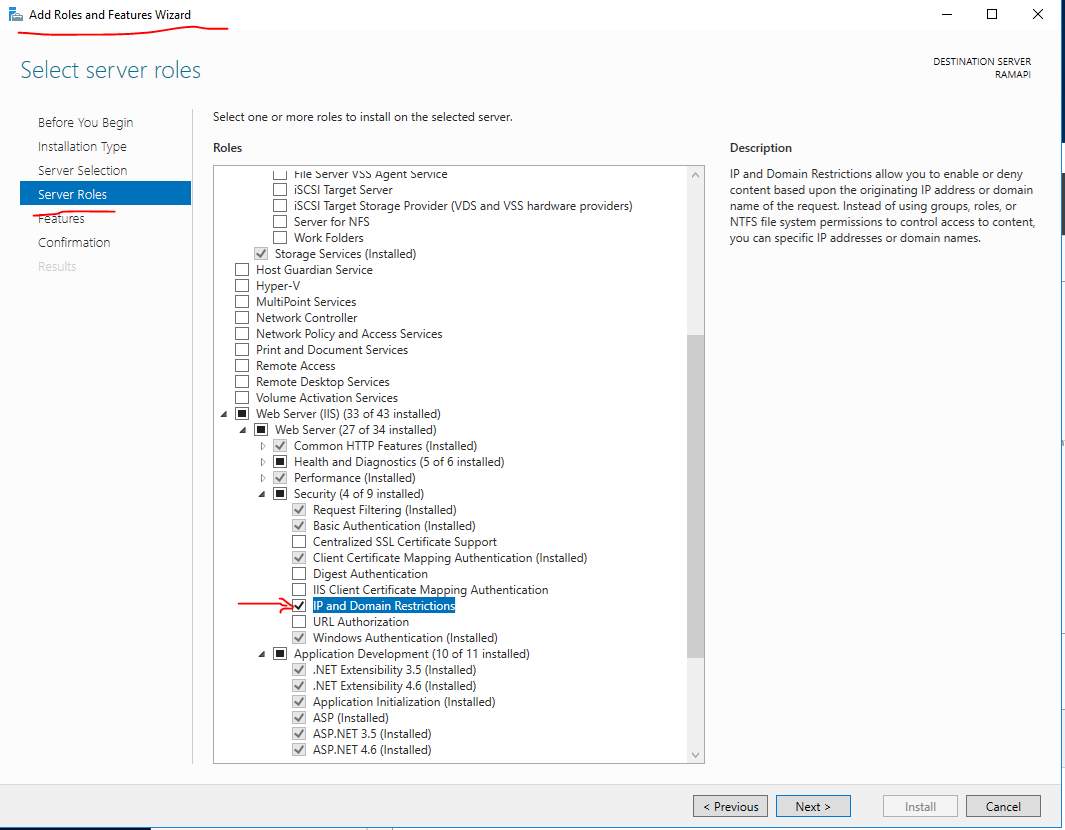
### Compression configuration

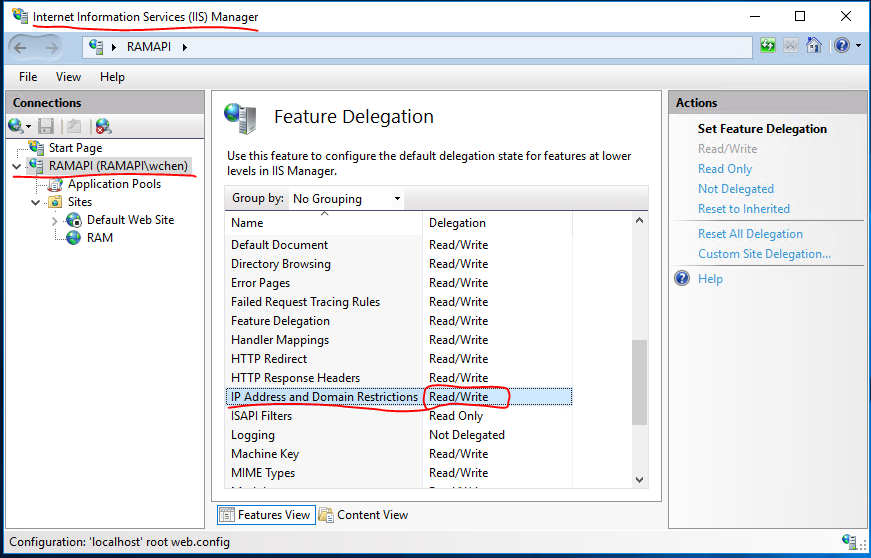
|  |  |
| --- | --- |
|  |  |

### Restrict access by IP address (IP Security)

|  |  |
| --- | --- |
|  |  |

Windows 2016 install IP Address and Domain Restriction

1: 

2: 在IIS 中重复 1.4.2的IIS步骤

### Edit applicationHost.config

Open the *applicationHost.config* file (located at*%windir%\system32\inetsrv\config\applicationHost.config*) and edit the **ipSecurity** section.

Change this line:

<section name="ipSecurity" overrideModeDefault="Deny" />

To:

<section name="ipSecurity" overrideModeDefault="Allow" />

# SQL Server:

IP / Server Name:

Login Name:

Password:

Role:

Permission:

## Shrink Log file on 530, Delete log file

ALTER DATABASE [RAM] SET RECOVERY SIMPLE

DBCC SHRINKFILE (RAM\_Log, 0, TRUNCATEONLY)

GO

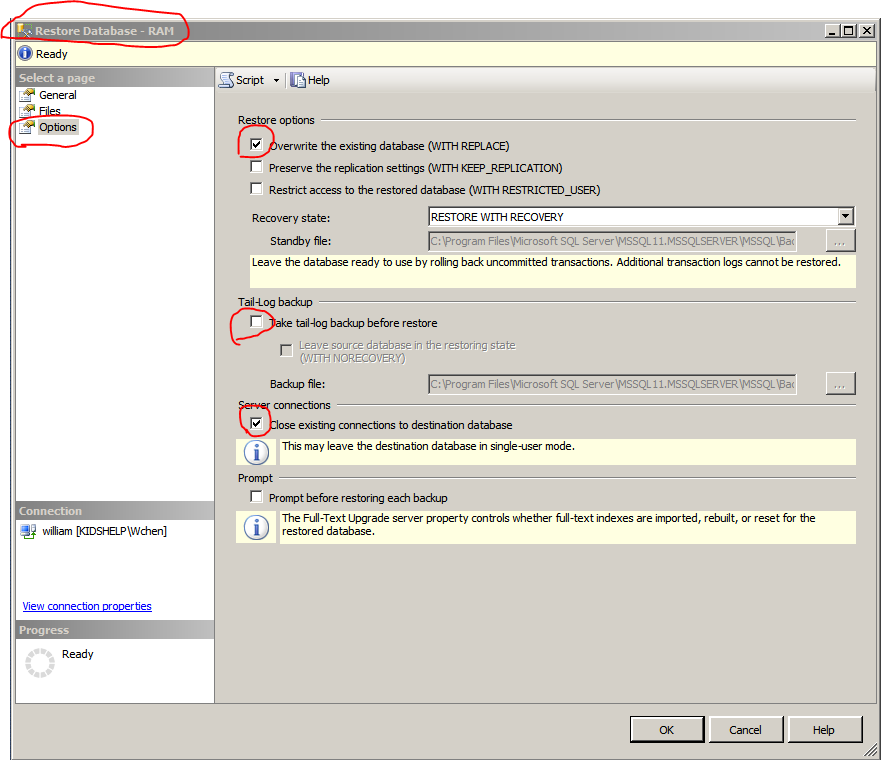
ALTER DATABASE [RAM] SET RECOVERY FULL

GO

## Back up,

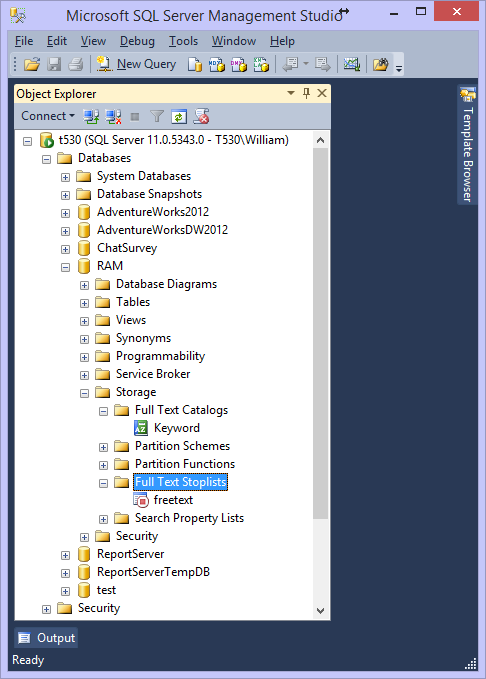
## Copy RAM.bak from 530 copy to SQL Server

## Restore bake up file



## Run script

## Check Fulltext Setting



**Check current DB’s stoplist**

select \* from sys.fulltext\_stoplists

select \* from sys.fulltext\_stopwords

## Check Thesaurus setting

Neutral file File name: <SQL\_Server\_data\_files\_path>\MSSQL12.MSSQLSERVER\MSSQL\FTDATA\tsglobal.xml

# Publish package:

## Copy App\_Data folder

## Compression entire folder of publish

## Publish package from 530 to server

## Changing in “root\web.config”

### 3.4.1 Changing AllowDomain in applicationSetting section

<applicationSettings>

<WebApi.Properties.Settings>

<setting name="host" serializeAs="String">

<value>mail.kidshelp.ca</value>

</setting>

<setting name="port" serializeAs="String">

<value>587</value>

</setting>

<setting name="ssl" serializeAs="String">

<value>False</value>

</setting>

<setting name="loginname" serializeAs="String">

<value>Ram.project@kidshelpphone.ca</value>

</setting>

<setting name="pwd" serializeAs="String">

<value>H3lpk1ds</value>

</setting>

<setting name="sendfrom" serializeAs="String">

<value>Ram.project@kidshelpphone.ca</value>

</setting>

<setting name="displayname" serializeAs="String">

<value>Resource Around Me from KHP</value>

</setting>

<setting name="subject" serializeAs="String">

<value>My favourites resources</value>

</setting>

<setting name="AllowDomain" serializeAs="String">

<value>http://www.kidshelpphone.ca,http://kidshelpphone.ca,https://www.kidshelpphone.ca,https://kidshelpphone.ca,http://www.jeunessejecoute.ca,http://jeunessejecoute.ca,http://www.kidshelpdev.org,http://kidshelpdev.org</value>

</setting>

</WebApi.Properties.Settings>

</applicationSettings>

### 3.4.2 Changing connectionStrings to meet SQL Server

<!-- KHP

<add name="RAMEntities" connectionString="metadata=res://\*/EF.RAMModel.csdl|res://\*/EF.RAMModel.ssdl|res://\*/EF.RAMModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=RAMPROD;initial catalog=RAM; persist security info=True; user id=RAMUser;password=HelpkidsWC16;MultipleActiveResultSets=True;App=EntityFramework&quot;" providerName="System.Data.EntityClient"/>

-->

<!-- William

<add name="RAMEntities" connectionString="metadata=res://\*/EF.RAMModel.csdl|res://\*/EF.RAMModel.ssdl|res://\*/EF.RAMModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=william; initial catalog=RAM; persist security info=True; user id=sa;password=KidshelpWC15!;MultipleActiveResultSets=True;App=EntityFramework&quot;" providerName="System.Data.EntityClient"/>

-->

<!-- Dev

<add name="RAMEntities" connectionString="metadata=res://\*/EF.RAMModel.csdl|res://\*/EF.RAMModel.ssdl|res://\*/EF.RAMModel.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=RAMPE; initial catalog=RAM; persist security info=True; user id=sa;password=KidshelpWC15!;MultipleActiveResultSets=True;App=EntityFramework&quot;" providerName="System.Data.EntityClient"/>

-->

## Changing web.config in those directory

* “WebApi\_Root”/swagger/web.config
* “WebApi\_Root”/Views/Doc/web.config
* “WebApi\_Root”/Areas/HelpPage/web.config

<?xml version="1.0"?>

<configuration>

<system.web>

<customErrors mode="RemoteOnly">

</customErrors>

</system.web>

<system.webServer>

<security>

<ipSecurity allowUnlisted="false">

<clear/>

<add ipAddress="127.0.0.1" allowed="true"/>

<add ipAddress="209.141.156.45" allowed="true"/>

<add ipAddress="207.164.226.2" allowed="true"/>

</ipSecurity>

</security>

<modules runAllManagedModulesForAllRequests="true"/>

</system.webServer>

</configuration>

# Add new Taxonomy Codes, TopCategory and Subcategory

## 4.1 Add/update TopCategory

**a) Modifying Table [dbo].[TopCategory].**

EXEC Proc\_Insert\_Update\_Table\_TopCategory

@TopCategory NVARCHAR(255),

@TopCategoryDesc NVARCHAR(500) = N'',

@TopCategory\_fr NVARCHAR(255) = N'',

@TopCategoryDesc\_fr NVARCHAR(500) = N'',

@Active bit = 1

**b) Modifying Table [dbo].[SubCategory]**

EXEC Proc\_Insert\_Update\_Table\_Subcategory

@SubCategory NVARCHAR(255),

@SubCategoryDesc NVARCHAR (500) = '',

@SubCategory\_fr NVARCHAR(500) = N'',

@SubCategoryDesc\_fr NVARCHAR(500) = N'',

@Active bit = 1

***EXEC Proc\_Insert\_Update\_Table\_Subcategory***

***@SubCategory = N'Helplines',***

***@SubCategoryDesc = N'Subcategory of Counselling and Mental Health Support',***

***@SubCategory\_fr = N'ligne d’assistance',***

***@SubCategoryDesc\_fr = N'Sous-catégorie du conseil et du soutien en santé mentale',***

***@Active = 1***

***GO***

**c) insert/update Table [dbo].[****TopCategoryID\_SubCategoryID]**

EXEC [dbo].[ Proc\_Insert\_Update\_Table\_TopCategoryID\_SubCategoryID]

@Tid int,

@SID INT,

@active bit = 1

-- Friendship Centres and Band Offices (SID:15)

***EXEC [dbo].[ Proc\_Insert\_Update\_Table\_TopCategoryID\_SubCategoryID]***

***@Tid =6,***

***@SID =15,***

***@active = 1***

***GO***

## 4.2 Add Subcategory

**a) add/update Table Subcategory**

EXEC Proc\_Insert\_Update\_Table\_Subcategory

@SubCategory NVARCHAR(255),

@SubCategoryDesc NVARCHAR (500) = '',

@SubCategory\_fr NVARCHAR(500) = N'',

@SubCategoryDesc\_fr NVARCHAR(500) = N'',

@Active bit = 1

***EXEC Proc\_Insert\_Update\_Table\_Subcategory***

***@SubCategory = N'Crisis Intervention',***

***@SubCategoryDesc = N'Subcategory of Counselling and Mental Health Support',***

***@SubCategory\_fr = N'intervention de crise',***

***@SubCategoryDesc\_fr = N'Sous-catégorie du conseil et du soutien en santé mentale',***

***@Active = 1***

***GO***

**b)** **Modifying table [dbo].[** **TopCategoryID\_SubCategoryID]**

EXEC [dbo].[Proc\_Insert\_Update\_Table\_TopCategoryID\_SubCategoryID]

@Tid int,

@SID INT,

@active bit = 1

***--Crisis Intervention***

***EXEC [dbo].[ Proc\_Insert\_Update\_Table\_TopCategoryID\_SubCategoryID]***

***@Tid =1,***

***@SID =24,***

***@active = 1***

GO

## 4.3 Add taxonomy Code

**a****)** **Insert or update Table [dbo].[InterestTaxonomy]**

exec [dbo].[Proc\_Insert\_update\_Table\_InterestTaxonomy]

@InterestTaxonomyID INT,

@InterestTaxonomyDelivery NVARCHAR(50) = 'Mapped',

@InterestTaxonomyCode NVARCHAR(50),

@InterestTaxonomyTerms NVARCHAR(50) = '',

@InterestTaxonomyDesc NVARCHAR(50) = '',

@Active BIT = 1,

@Phase INT = 1

***exec [dbo].[Proc\_Insert\_update\_Table\_InterestTaxonomy]***

***@InterestTaxonomyID =70,***

***@InterestTaxonomyDelivery = N'Both',***

***@InterestTaxonomyCode =N'RP-1400.8000-800',***

***@InterestTaxonomyTerms = N'Sexual Assault Counselling',***

***@InterestTaxonomyDesc = '',***

***@Active = 1,***

***@Phase = 3***

***GO***

**b) modifying Table [RAM].[dbo].[SubcategoryID\_InterestTaxonomyID]**

run Stored Procedure [dbo].[Proc\_Insert\_update\_table\_SubcategoryID\_InterestTaxonomyID]

EXEC [dbo].[Proc\_Insert\_update\_table\_SubcategoryID\_InterestTaxonomyID]

@taxonomyCode nvarchar(50) = ‘some taxonomy code’,

@subcategoryID int = ‘SID #’

***EXEC [dbo].[Proc\_Insert\_update\_table\_SubcategoryID\_InterestTaxonomyID]***

***@taxonomyCode = N'RP-1400.8000-800',***

***@subcategoryID = 1***

***GO***

***EXEC [dbo].[Proc\_Insert\_update\_table\_SubcategoryID\_InterestTaxonomyID]***

***@taxonomyCode = N'RP-1500.3400-650',***

***@subcategoryID = 24***

***GO***

# Add new user to access API

## 5.1 生成Token

Edit [RAM].[dbo].[AccessControlList]

将自动生成一个Token

## 5.2编辑给定访问权限

编辑 [RAM].[dbo].[Permission]

ACLID：AccessControlList中的ID

TopCategoriesID：

0表示任何TopCategory ；

1：TopCategory 1；

2： Top Category2 ；

etc.

SubCategoriesID: (不是很重要)

0表示任何SubCategory ；

1：SubCategory 1；

ProvinceID：

0：全部省

1：AB； 2： BC 。。。9：ON etc

CityID：

-1： 任何city

1 ：cityID=1

11135：CityID = 11135, means Toronto