

# RAM Deployment

## 1. Production Server:

Check .NET Foundation version: V4.5

### 1.1 SMTP:

Host name:

SSL: Yes / no

Login name:

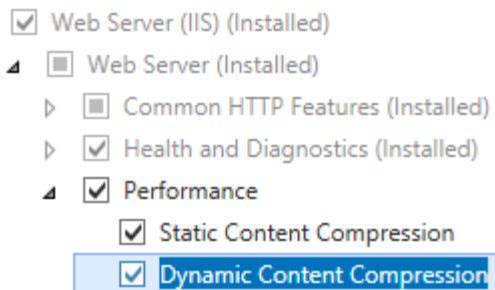
Password:

### 1.2 Install Windows feature:

#### 1.2.1 Dynamic Content Compression

WINDOWS SERVER 2012 OR WINDOWS SERVER 2012 R2

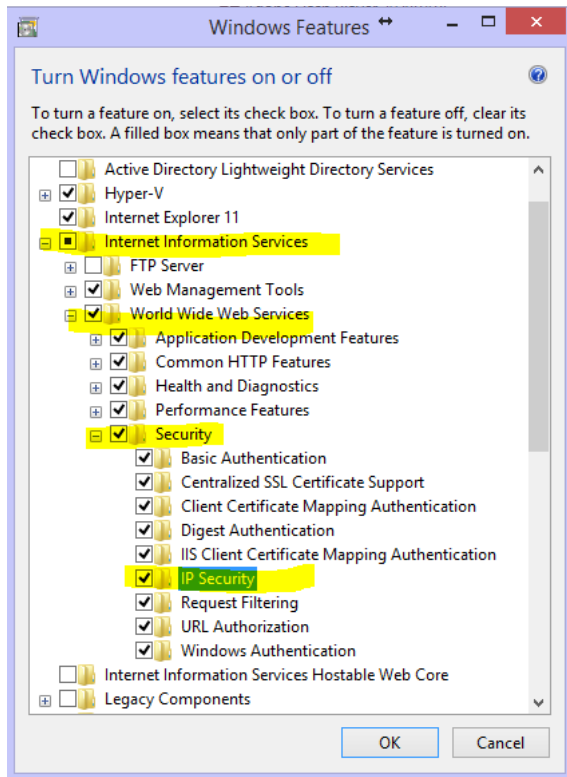
1. On the taskbar, click **Server Manager**.
2. In **Server Manager**, click the **Manage** menu, and then click **Add Roles and Features**.
3. In the **Add Roles and Features** wizard, click **Next**. Select the installation type and click **Next**.  
Select the destination server and click **Next**.
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**.



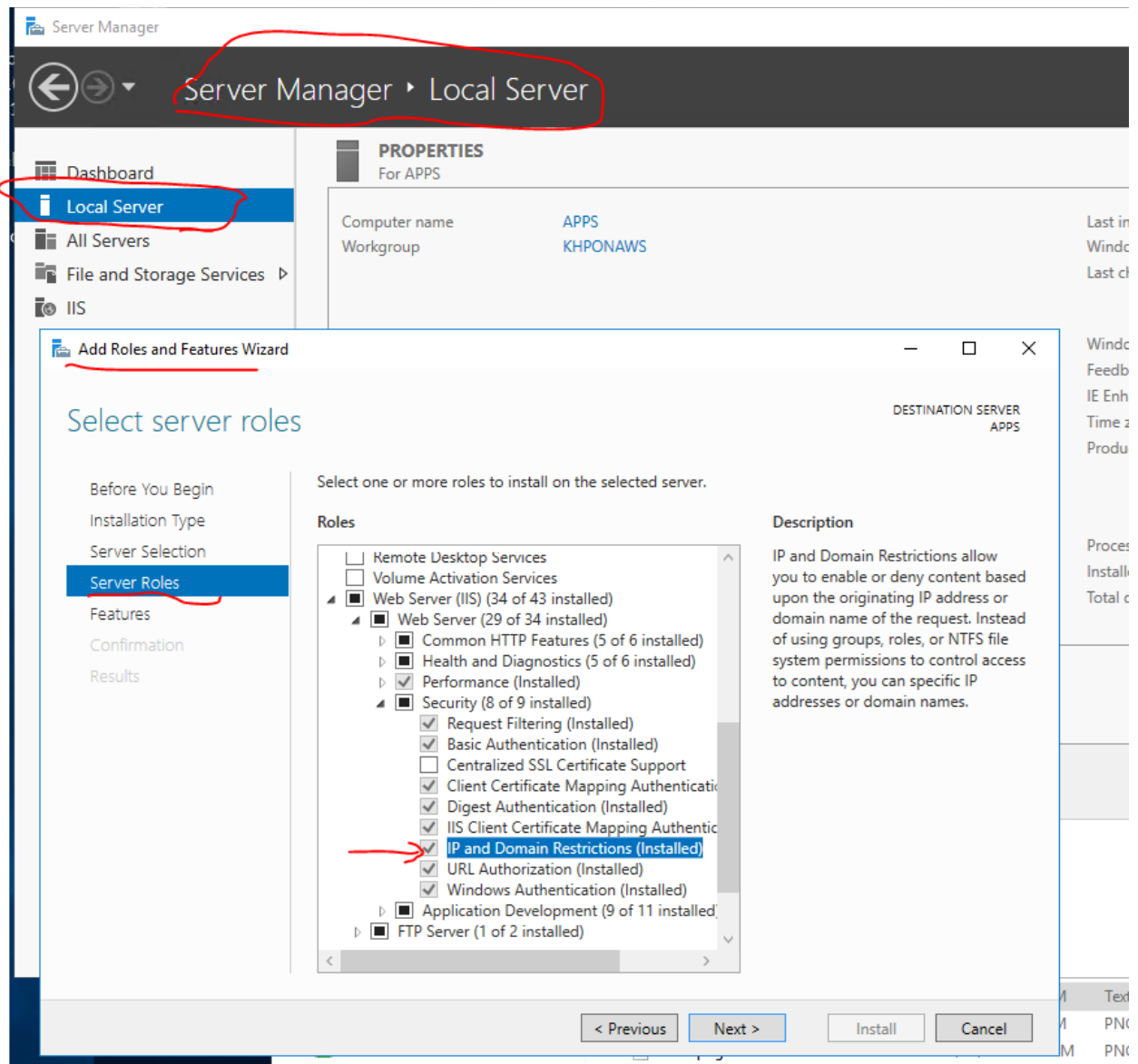
5. On the **Select features** page, click **Next**.
6. On the **Confirm installation selections** page, click **Install**.
7. On the **Results** page, click **Close**.

#### 1.2.2 IP Security

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



Windows 2016:



## 1.3 Enable GZIP

### 1.3.1 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>
```

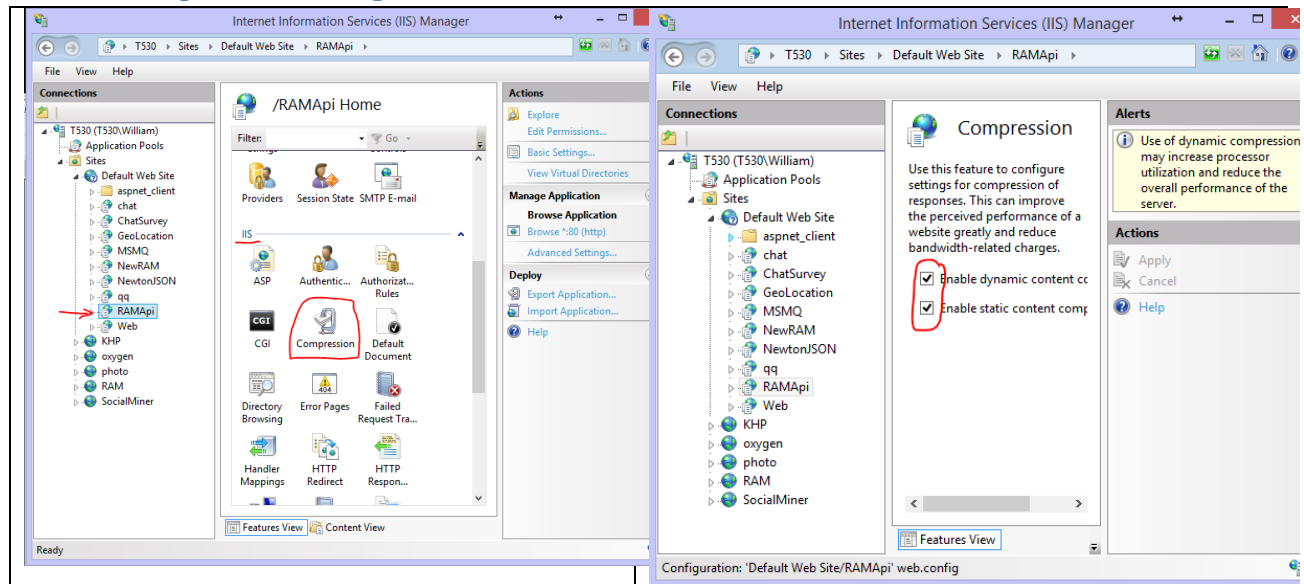
```
</httpCompression>
```

改成下面这个

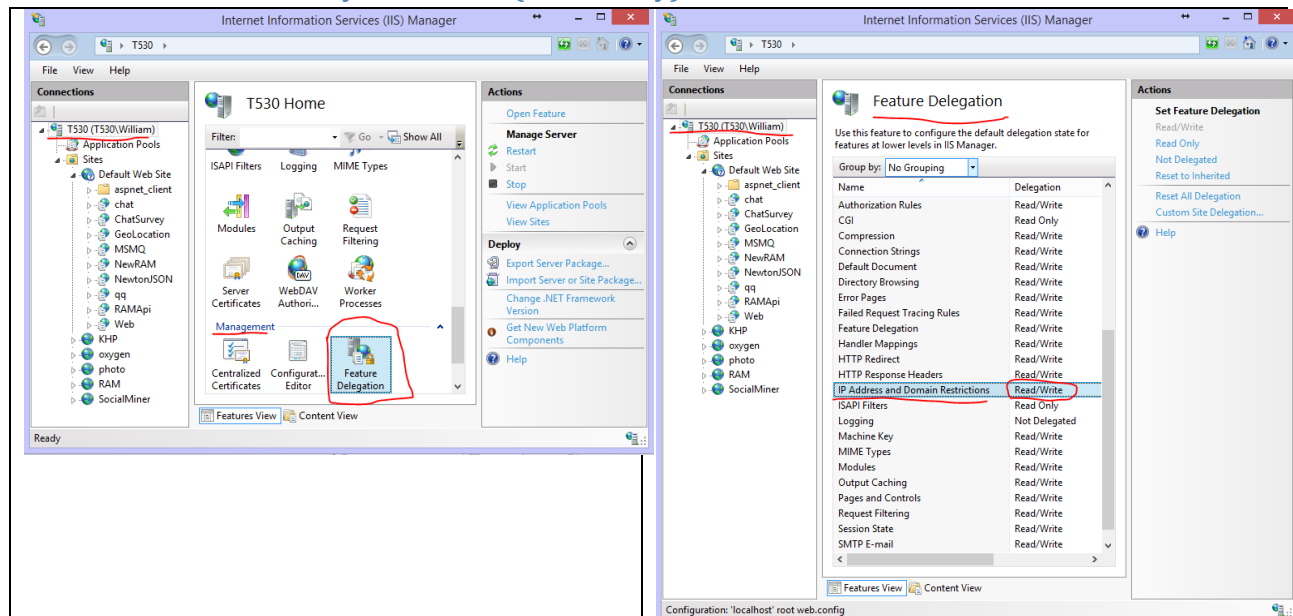
```
<httpCompression directory="%SystemDrive%\inetpub\temp\IIS Temporary Compressed Files">
  <scheme name="gzip" dll="%Windir%\system32\inetsrv\gzip.dll" />
  <staticTypes>
    <add mimeType="text/*" enabled="true" />
    <add mimeType="message/*" enabled="true" />
    <add mimeType="application/javascript" 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>
```

## 1.4 IIS Configuration

### 1.4.1 Compression configuration

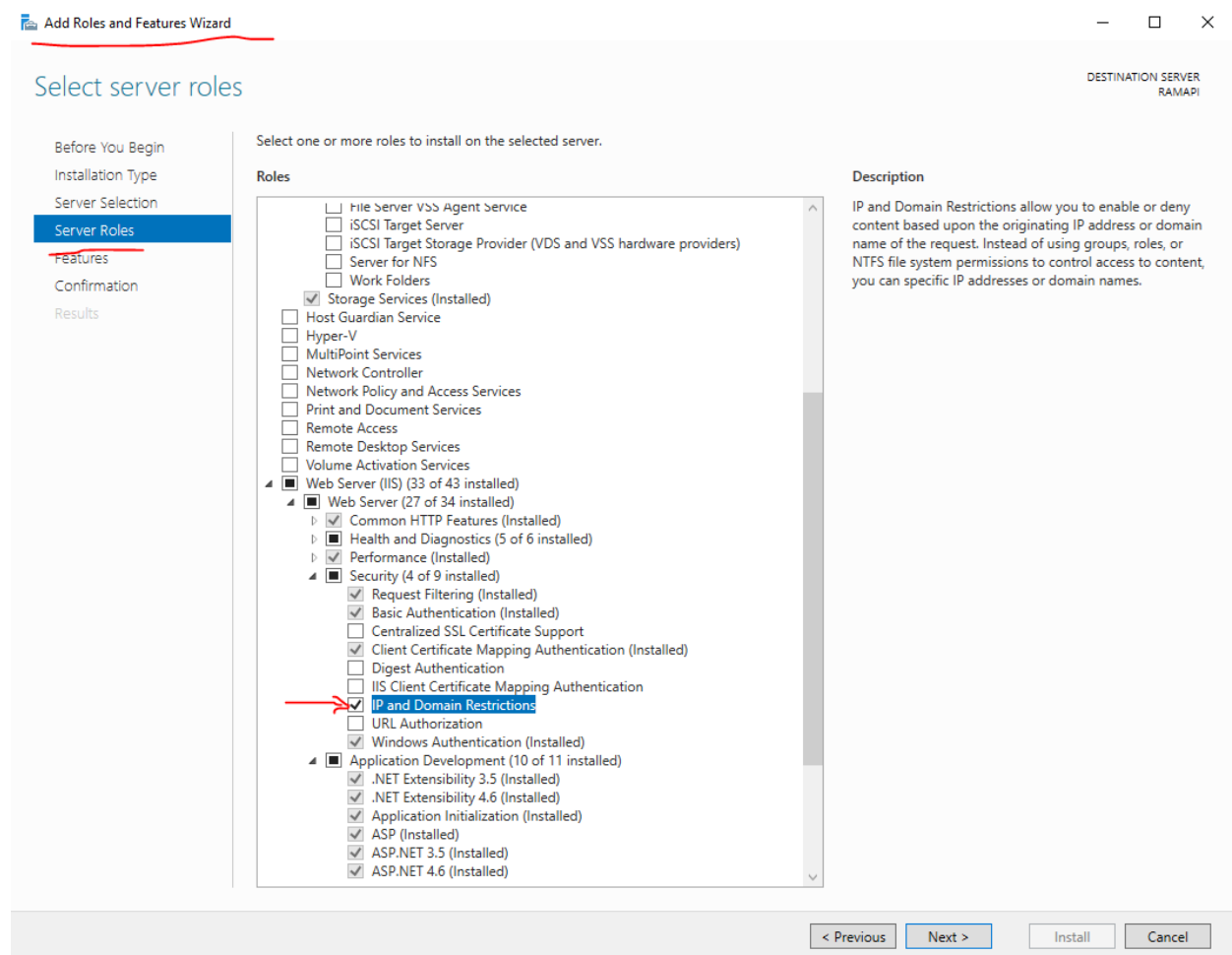


### 1.4.2 Restrict access by IP address (IP Security)

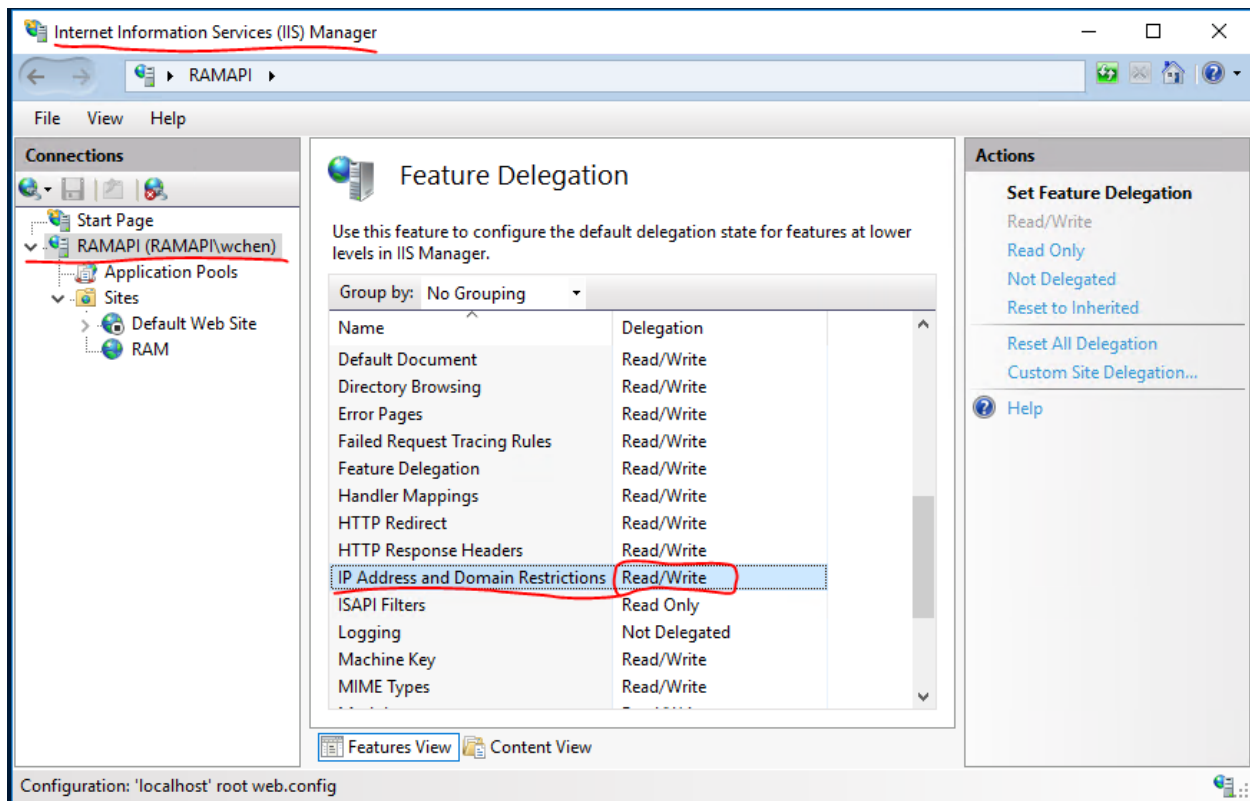


Windows 2016 install IP Address and Domain Restriction

1:



## 2: 在 IIS 中重复 1.4.2 的 IIS 步骤



### 1.4.3 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" />
```

## 2. SQL Server:

IP / Server Name:

Login Name:

Password:

Role:

Permission:

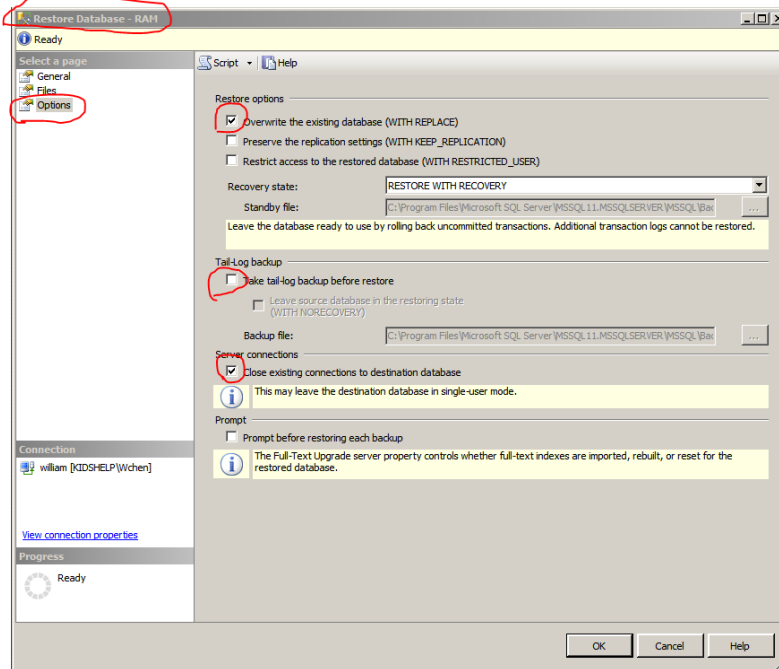
### 2.1 Shrink Log file on 530, Delete log file

```
ALTER DATABASE [RAM] SET RECOVERY SIMPLE
DBCC SHRINKFILE (RAM_Log, 0, TRUNCATEONLY)
GO
ALTER DATABASE [RAM] SET RECOVERY FULL
GO
```

## 2.2 Back up,

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

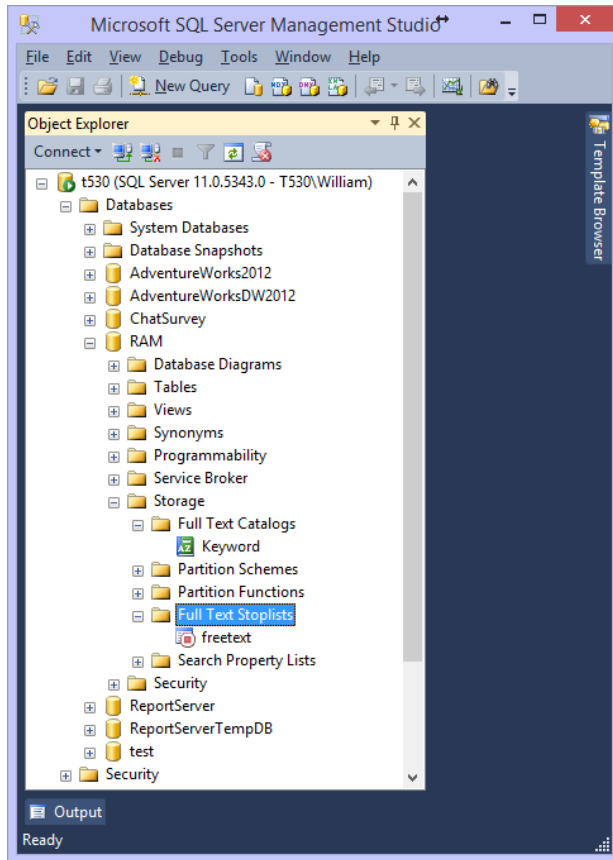
## 2.4 Restore bake up file





## 2.5 Run script

## 2.6 Check Fulltext Setting



Check current DB' s stoplist

```
select * from sys.fulltext_stoplists
```

```
select * from sys.fulltext_stopwords
```

## 2.7 Check Thesaurus setting

Neutral file File name:

<SQL\_Server\_data\_files\_path>\MSSQL12.MSSQLSERVER\MSSQL\FTDATA\tsglobal.xml

### 3. Publish package:

#### 3.1 Copy App\_Data folder

#### 3.2 Compression entire folder of publish

#### 3.3 Publish package from 530 to server

#### 3.4 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.kidshelp
      dev.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.RAMMod
el.msl;provider=System.Data.SqlClient;provider connection string="data
source=RAMPROD;initial catalog=RAM;persist security info=True; user
id=RAMUser;password=HelpkidsWC16;MultipleActiveResultSets=True;App=EntityFramework";"
providerName="System.Data.EntityClient"/>
-->
```

```
<!-- William
  <add name="RAMEntities"
connectionString="metadata=res://*/EF.RAMModel.csdl|res://*/EF.RAMModel.ssdl|res://*/EF.RAMMod
el.msl;provider=System.Data.SqlClient;provider connection string="data source=william;
```

```

initial catalog=RAM; persist security info=True; user
id=sa;password=KidshelpWC15!;MultipleActiveResultSets=True;App=EntityFramework"
providerName="System.Data.EntityClient"/>
-->

<!-- Dev
  <add name="RAMEntities"
connectionString="metadata=res://*/EF.RAMModel.csd1|res://*/EF.RAMModel.ssd1|res://*/EF.RAMMod
el.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"
providerName="System.Data.EntityClient"/>
-->

```

### 3.5 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>

```

## 4. 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
```

## 5. 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