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Accelerator – Amazon Web Services Adapter

User Guide

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1.0 Introduction

The Amazon Web Services Adapter allows the provisioning and management of Amazon EC2 server instances.

2.0 Installation

2.1 Accelerator Installation

The application is a Microsoft .NET Web application (Version 4), requiring IIS 5.1+, .Net 4 can be downloaded here if required: <http://www.microsoft.com/download/en/details.aspx?id=17718>

Note: If installing on IIS7 ensure that Role Services for 'IIS 6 Management Compatibility' is checked in Server Manager, and that the application pool selected has "Enable 32-Bit Applications" set to true.

To install:

- log in on the target installation server with administrator privileges
- **Un-install any old versions of the AWS adapter**
- Extract the files from the zip file into a temporary folder
- Using Windows explorer open the temporary folder, then run setup.exe
- Click the next button
- Set the virtual directory (default AcceleratorAWSAdapter)
- Set the target application pool (ASP.NET v4 on IIS7). Create a new app pool on server 2003/XP.
- Click the next button, then again to start the installation
 - Grant the NETWORK SERVICE account (or account that the selected application pool runs under) "Full Control" rights to: \inetpub\wwwroot\

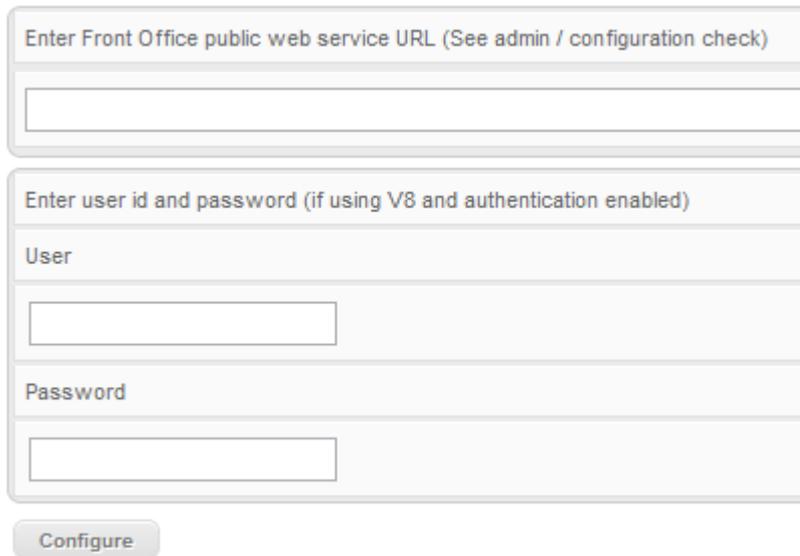
3.0 Configuration

3.1 Accelerator configuration

On the server where the accelerator has been installed, browse to:

<http://localhost/<selected virtual directory>/Configure.aspx>

You should see a page similar to this:



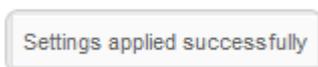
The screenshot shows a web form with the following elements:

- A text input field with the label "Enter Front Office public web service URL (See admin / configuration check)".
- A text input field with the label "Enter user id and password (if using V8 and authentication enabled)".
- Two sub-sections: "User" and "Password", each with its own text input field.
- A "Configure" button at the bottom.

Get the value for the public web service url from the admin / configuration check option within Front Office (log in as admin).

If using Front Office V8 and authentication has been configured on the public web service enter the user name and password. Leave blank for v7.X systems or if authentication is not configured.

Click the configure button and you should see:



The screenshot shows a message box with the text "Settings applied successfully".

If you get an error please contact support@biomni.com for advice.

3.2 Front Office Configuration

Login to Front Office as a user with administration rights to perform the following steps

3.2.1 Update Integration Settings

From admin / settings / more / integration settings update the following Integration settings for AmazonWS:

AmazonWSEndpoint – set this to the appropriate regional endpoint (see the EC2 section here: <http://docs.aws.amazon.com/general/latest/gr/rande.html>)

AmazonWSAccessKey & **AmazonWSSecretKey** – set these to the values displayed within your Amazon AWS account (<https://portal.aws.amazon.com/gp/aws/securityCredentials?>)

BaseImageURL – this should be set to a **publicly visible** location that contains the various OS logos, by default this will be [http://\[SERVER\]/AcceleratorAWSAdapter/images/](http://[SERVER]/AcceleratorAWSAdapter/images/)

Create a new setting under the AmazonWS section (Add_Setting) with Name = AdminUserID, Value=Admin.

If using the accelerator in a multi-client system, each client should use a separate AWS account and the Endpoint, Access Key and Secret Key Integration settings should be overridden at client level.

3.2.2 Create Adapters

Create a new external list box adapter as below (adjusting server / virtual directory as per install):

Details

ID 46

System Type External Listbox 7.1

Adapter Display Name AmazonAdapterELB *

Web Service URI [http://\[SERVER\]/AcceleratorAWSAdapter/AcceleratorAWSAdapterELB.aspx](http://[SERVER]/AcceleratorAWSAdapter/AcceleratorAWSAdapterELB.aspx) *

Timeout (seconds) 60 *

Client Identifier

Active

Create a fulfilment adapter as below (adjusting server / virtual directory as per install):

Details

ID 47

System Type Request Fulfillment Hook 6.10

Adapter Display Name AmazonAdapterFulfilment *

Web Service URI http://[SERVER]/AcceleratorAWSAdapter/AcceleratorAWSAdapter.asmx *

Timeout (seconds) 60 *

Client Identifier

Active

3.2.3 Import Request Types

For Version 7.3 Front Office

Import the 2 request types (supplied in the <http://<server>/<selected virtual directory>/reqTypes> folder)

You will now have 2 new request types that can be categorised and implemented into your service catalogue (“Amazon – Instance Creation” and “Amazon – Instance Management”)

For other versions import the request types supplied in the zip folder which will be of the format

RequestType_AMAZCREATNVx and RequestType_AMAZMANAGEVx