Installing and Configuring Informatica Intelligent Cloud Services in Azure Cloud
Abstract
You can use all the features of Informatica Intelligent cloud services through the secure agent on an Azure instance. This article describes how to install and set up Informatica Secure Agent with an Azure virtual Instance to use Informatica Intelligent cloud services.

Supported Versions
Informatica Intelligent Cloud Services

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Overview

Informatica Secure Agent on Azure virtual instance allows you to connect to your Informatica Intelligent cloud services account to leverage your computing needs. Use as many secure agents as your license permits using this solution. Provide IICS registration account details and add a new agent in your IICS account.

Installation Methods

To install Informatica Secure Agent, use one of the following installation methods:

- Marketplace deployment

Deployment Prerequisites

Before you deploy Informatica Intelligent cloud services in the Azure cloud, verify that you have performed the following steps:

- Make sure that you have a valid account with Microsoft Azure Marketplace.
- Verify that you have a valid subscription in Microsoft Azure Marketplace to create resource
- Create new IICS account [https://dm1-us.informaticacloud.com/ma/register](https://dm1-us.informaticacloud.com/ma/register)

Supported Configurations

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Windows Server 2016 Datacenter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Red Hat Enterprise Linux 7.6</td>
</tr>
<tr>
<td>Instance size</td>
<td>Standard_D2_v3</td>
</tr>
<tr>
<td></td>
<td>Standard_D4_v3</td>
</tr>
<tr>
<td></td>
<td>Standard_DS11_v2</td>
</tr>
</tbody>
</table>
Informatica Intelligent cloud services on Azure Architecture Diagram

The following diagram shows the Informatica Intelligent cloud services on Azure architecture with the Azure Marketplace:
Informatica Intelligent cloud services Deployment in the Azure Cloud with the Azure Marketplace

You can deploy Informatica Intelligent cloud services in the Azure cloud with the Azure Marketplace. With the Azure Marketplace or Azure portal, you can ensure automatic and quick deployment of all the infrastructure to run in the Azure cloud.

To deploy Informatica Intelligent cloud services in the Azure cloud with the Azure Marketplace, perform the following steps:


2. Search **Informatica Intelligent Cloud Services – BYOL**

3. Click on Get it now -> continue

To deploy Informatica Intelligent cloud services in the Azure cloud with the Azure Portal, perform the following steps:

1. Click on given link - [https://portal.azure.com/#home](https://portal.azure.com/#home)

2. Choose to create a resource option from top-left corner in azure portal.

3. Search for Informatica **Intelligent Cloud Services – BYOL**

4. Click on create
Deployment Steps:

Step 1. Configure Basic Settings to deploy IICS

<table>
<thead>
<tr>
<th>Parameter label (name)</th>
<th>Default</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subscription</td>
<td>Requires input</td>
<td>Select the subscription associated with your account.</td>
</tr>
<tr>
<td>Resource Group</td>
<td>Requires input</td>
<td>Create new resource group or choose existing resource group from dropdown list.</td>
</tr>
<tr>
<td>Region</td>
<td>Requires input</td>
<td>Select the required regional location where you want to deploy IICS from the Region drop-down list.</td>
</tr>
</tbody>
</table>
### Step 2. Configure IICS secure agent settings.

Create Informatica Intelligent Cloud Services-BYOL ...

<table>
<thead>
<tr>
<th>Parameter label (name)</th>
<th>Default</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System</td>
<td>Requires input</td>
<td>Choose deployment operating system.</td>
</tr>
<tr>
<td></td>
<td>Windows Server 2016 Datacenter</td>
<td>Red Hat Enterprise Linux 7.6</td>
</tr>
<tr>
<td>Virtual machine name</td>
<td>Requires input</td>
<td>Name of the virtual machine where the IICS deployment resides.</td>
</tr>
<tr>
<td>Username</td>
<td>Requires input</td>
<td>Virtual machine username.</td>
</tr>
<tr>
<td>Password</td>
<td>Requires input</td>
<td>Virtual machine password.</td>
</tr>
<tr>
<td>Size</td>
<td>Requires input</td>
<td>Size of your machine i.e. number of cores and memory size for deploying IICS.</td>
</tr>
<tr>
<td>IICS Username</td>
<td>Requires input</td>
<td>Username of Informatica intelligent cloud service i.e. while registering with IICS you have provided a username, specify same username in box.</td>
</tr>
<tr>
<td>Parameter label (name)</td>
<td>Default</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>IICS Password</td>
<td>Requires input</td>
<td>Password of Informatica intelligent cloud service i.e. while registering with IICS you have provided a password, specify same password in IICS password textbox.</td>
</tr>
<tr>
<td>Secure agent group name</td>
<td>Optional</td>
<td>This is optional. Name of the group that you want the Secure Agent to join to. If your account doesn’t have the group mentioned in this input the agent will be added to an unnamed group. If this field is kept empty, then the agent will create its own group.</td>
</tr>
</tbody>
</table>

**Note:** If IICS Username and Password is incorrect then, connection with secure agent will not work. To establish the connection with secure agent, follow the steps provide in log file (for **Linux** - /home/iics/iics_log.log and for **Windows** - C:\Informatica\secureagent.log).

**Step 3. Configure Infrastructure setting**

![Configure Infrastructure setting](image-url)
<table>
<thead>
<tr>
<th>Parameter label (name)</th>
<th>Default</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Virtual network**         | Requires input | Click Virtual network. The Choose virtual network pane appears with the list of virtual networks associated with the subscription and location you specified. Select the required virtual network or click Create new to create a new virtual network.  
  • Configure the following parameters if you want to create a new virtual network:  
  • Name. Specify a unique name for the new virtual network.  
  • Address space. Specify the range of IP addresses for the virtual network. |
| **Subnets**                  | Requires input | Click Subnets to specify the subnets that must include all resources such as cluster components and virtual machines. The Subnets pane appears. Configure the following properties for the Subnets:  
  • Subnet name. Specify a unique name for the subnet.  
  • Subnet address prefix. Specify a range of IP addresses for the subnets. |
| **CIDR IP Address Range**   | Requires input | The CIDR public IP address range that you can use to access the secure agent. For example: 108.124.81.10/32 |
Step 4. Summary of deployment.

Create Informatica Intelligent Cloud Services-BYOL ...

- Validation Passed
- Subscription: Azure R&D PM Marketplace
- Resource group: hhh
- Region: Southeast Asia

**IICS Secure Agent Settings**
- Operating system: Windows Server 2016 Datacenter
- Virtual machine name: vm-test
- Username: infauser
- Password: ************
- Size: Standard_DS11_v2
- IICS username: iicsuser
- IICS password: ************
- Secure agent group name: -

**Infrastructure Settings**
- Virtual network: SecureAgentVNET
- Subnet: SecureAgentSubnet
- Address prefix (Subnet): 10.1.0.0/16
- CIDR IP Address Range: 130.67.66.00/32

[Create] [Previous] [Next] Download a template for automation
The summary page displays all the inputs provided. The template validates the properties and values that you provided for correctness. If any of the properties is incorrect and the validation fails, you cannot proceed further without correcting the property values.

Click **Create** to deploy IICS on Microsoft Azure Marketplace. The deployment progress appears on the top right corner of your screen.

1. The template deploys the components in the following order:
2. **vnetSetup** is for VPN and **setups** is for network security group
3. **nodesSetup** is for Linux or Windows virtual machine and to install secure agent in it.
How to register with Informatica Intelligent Cloud Services Account.

Go to https://dm1-us.informaticacloud.com/ma/register and fill up the form. You will get a registration confirmation mail with link to create your password.

Once new password generation is done log into your account using the region of pod you chose at the time of registration.

Note: There is only one datacenter location for IICS in Azure i.e. in US location.
Steps to be followed to create secure agent group in IICS account.

Click on Administrator.

Then choose Runtime environments. There you will see your secure agents if any added.
Create secure agent groups:
Click on “New Runtime Environment” then create a new group.

![Image of New Secure Agent Group dialog]

**Troubleshooting**

After you complete the deployment, see the log files to know the status of the deployment. You can access the log files on the Linux virtual machine at the following location:

- /home/iics/apps/agentcore/agentcore.log
- /home/iics/apps/agentcore/infaagent.log
- /home/iics/iics_log.log

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