

Deploy and Configure Informatica Intelligent Cloud Services on Microsoft Azure

Abstract

Use this article to learn how to 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

Use the Marketplace solution to launch, configure, and run the virtual machines, virtual network, and other services required to deploy Informatica Intelligent Cloud Services on Microsoft Azure. You can connect to Informatica Intelligent Cloud Services using the Informatica Secure Agent to leverage your computing needs.

Deploy the Informatica Secure Agent from the Microsoft Azure Marketplace. You can add as many secure agents as your license permits. This deployment reference provides step-by-step instructions to deploy Informatica Intelligent Cloud Services on Microsoft Azure.

Intended Audience

This article is for users who are responsible for deploying the Marketplace solution of Informatica Intelligent Cloud Services on Microsoft Azure.

As a user with administrator privileges to deploy applications on Microsoft Azure, you must be familiar with Azure platform elements. For more information, see the Microsoft Azure documentation.

Deployment Prerequisites

Before you deploy Informatica Intelligent Cloud Services on Azure, verify that you have the following prerequisites:

- A Microsoft Azure subscription with owner role.
- Access and permissions to create the following resources on the Azure platform:
 - Virtual network
 - Network security group
 - Virtual machines
- An Informatica Intelligent Cloud Services account.

To register a new user with an Informatica Intelligent Cloud Services account, go to [Informatica Cloud](#) and fill in the form. You receive a registration confirmation email that contains a link to create your password. After you have created your password, log in to your account using the region of the POD you chose at the time of registration.

To create a Secure Agent group in Informatica Intelligent Cloud Services, perform the following steps:

1. Log in to Informatica Intelligent Cloud Services.
2. Click **Administrator**.
3. From the left pane, choose **Runtime environments**.
The list of secure agents that you configured appears.
4. To create a Secure Agent group, click **New Runtime Environment**.
5. Enter a name for the group, and then click **OK**.
After you create a group, you can add Secure Agents to the group.

Supported Configurations

You are responsible for the cost of the Azure services used while running this deployment. There is no additional cost for using this Marketplace deployment. This deployment requires a license for Informatica Intelligent Cloud Services.

The following sections list the supported operating systems and instance sizes that you can choose based on your requirements:

Operating Systems

Windows Server 2019 Datacenter
Red Hat Enterprise Linux 8.3

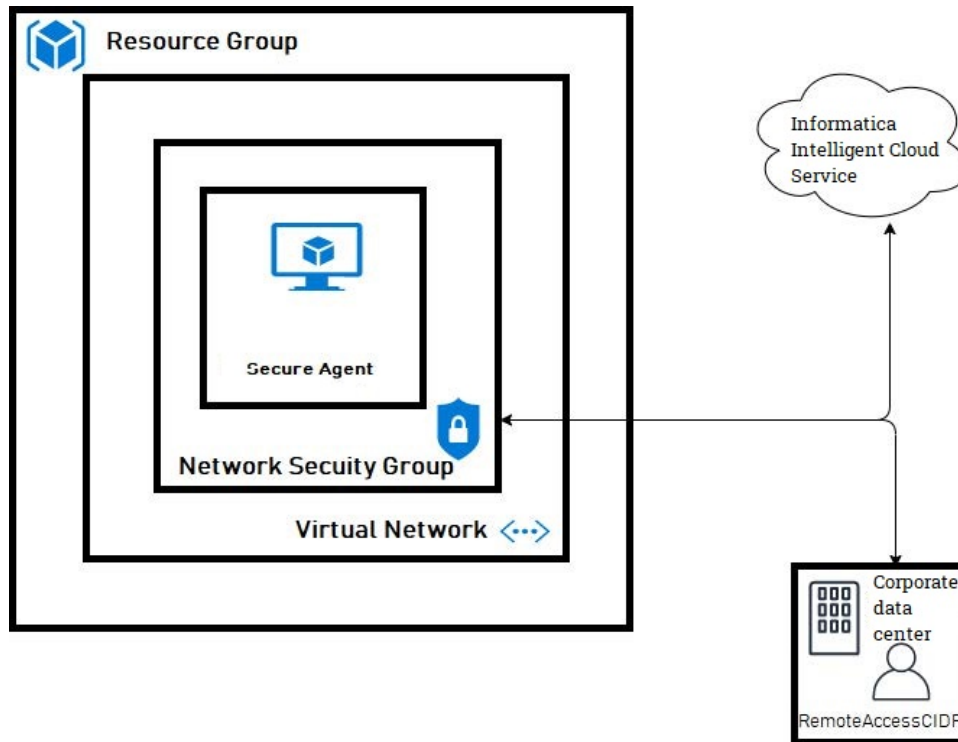
Instance Sizes

Standard_D2_v3
Standard_D4_v3
Standard_D4s_v3
Standard_D8s_v3
Standard_D16s_v3
Standard_D32s_v3
Standard_DS11_v2

Architecture

When you deploy Informatica Intelligent Cloud Services on a virtual network, the Microsoft Azure Marketplace solution creates and connects the Informatica Secure Agent to the network.

The following image shows the architecture of Informatica Intelligent Cloud Services on Microsoft Azure:



Deploying Informatica Intelligent Cloud Services on the Azure Marketplace

The automated deployment of Informatica Intelligent Cloud Services uses the Azure Resource Manager template to guide your choices and launch the solution deployment. With this solution, you can quickly deploy the infrastructure to run Informatica Intelligent Cloud Services.

To provision the Informatica Intelligent Cloud Services solution on the Azure Marketplace, launch the wizard and configure the properties.

To deploy Informatica Intelligent Cloud Services in Azure using the Azure Marketplace, perform the following steps:

1. Log in to the [Azure Marketplace](#) website. Use the search bar to search for Informatica Intelligent Cloud Services.
2. Select **Informatica Intelligent Cloud Services – BYOL**.
3. Click **Get it now** to launch the solution wizard.
4. Read the details of the terms of use and click **Continue**.
The wizard redirects to the Informatica Intelligent Cloud Services page on the Azure portal.
5. Click **Create**.
A series of panels opens to enable you to configure the solution on the Azure platform.

6. Enter the following information in the **Basics** panel:

Parameter label	Description
Subscription	Required. The Azure subscription you use to manage the deployment.
Resource Group	Required. The Azure resource group containing the virtual network where you deploy Informatica Intelligent Cloud Services. Create a new resource group or choose an existing resource group from the list.
Region	Required. The region where you want to deploy the solution.

7. Enter the following information in the **IICS Secure Agent Settings** panel:

Parameter label	Description
Operating System	Required. The operating system to run the virtual machine.
Virtual machine name	Required. The name of the virtual machine.
Username	Required. The user name to access the virtual machine.
Password	Required. The password to access the virtual machine.
Size	Required. The instance size for the virtual machine.
Data Center Location	Required. The data center location for the deployment. Choose the data center location based on the user details registered in Informatica Intelligent Cloud Services. Select from the following options in the list: <ul style="list-style-type: none">- USA- Germany- Singapore- NTT (Japan)
IICS Username	Required. The user name to access Informatica Intelligent Cloud Services.
IICS Token	Required. Install token used to deploy the Secure Agent. To get the token, log in to your Informatica Intelligent Cloud Services account, open the Administrator service, and click Generate Install Token on the Runtime Environments page.
Secure agent group name	Optional. Name of the Secure Agent group. If your account does not contain the group specified or if you do not specify a group name, the Secure Agent is assigned to an unnamed group.

8. Enter the following information in the **Infrastructure Settings** panel:

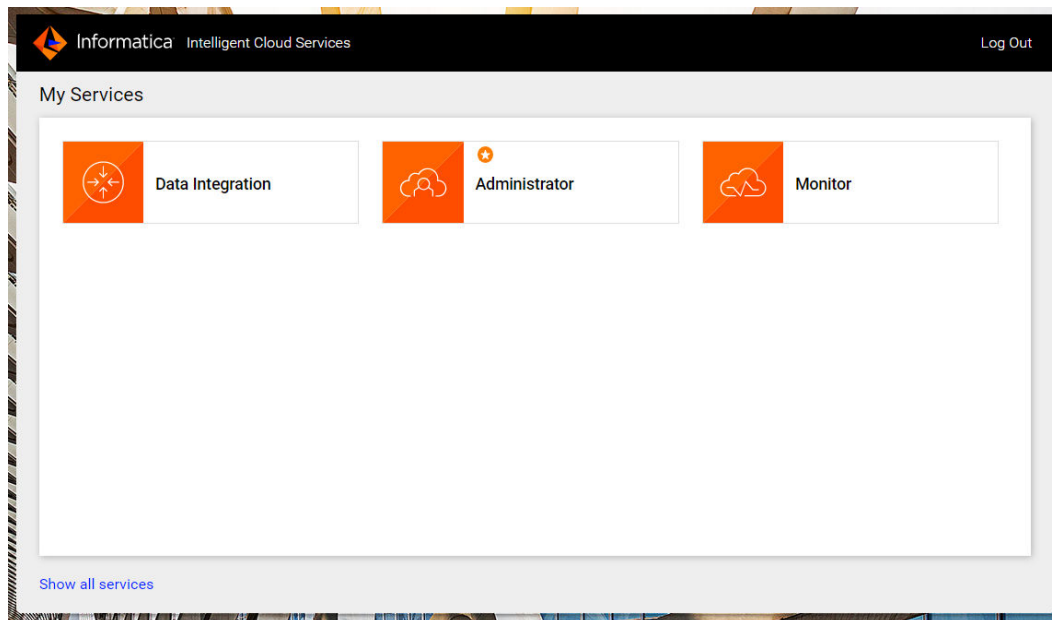
Parameter label	Description
Virtual Network	Required. The identifier for the Azure virtual network where you want to deploy Informatica Intelligent Cloud Services. Select the required virtual network or click Create new to create a new virtual network.
Subnet	Required. The identifier for the subnet within the virtual network where Informatica Intelligent Cloud Services is deployed.
CIDR IP Address Range	Required. The CIDR public IP range of clients that are permitted to access Informatica Intelligent Cloud Services. Format is x.x.x.x/x.

9. After you configure the parameters, click **Next**.
The template validates the values that you entered and displays a summary page.
10. Verify your choices in the **Review + create** panel.
11. Read the terms of use, and click **Create**.
When you click **Create**, Azure deploys the Informatica Intelligent Cloud Services solution and creates resources in the environment that you configured.

Steps to generate an install token

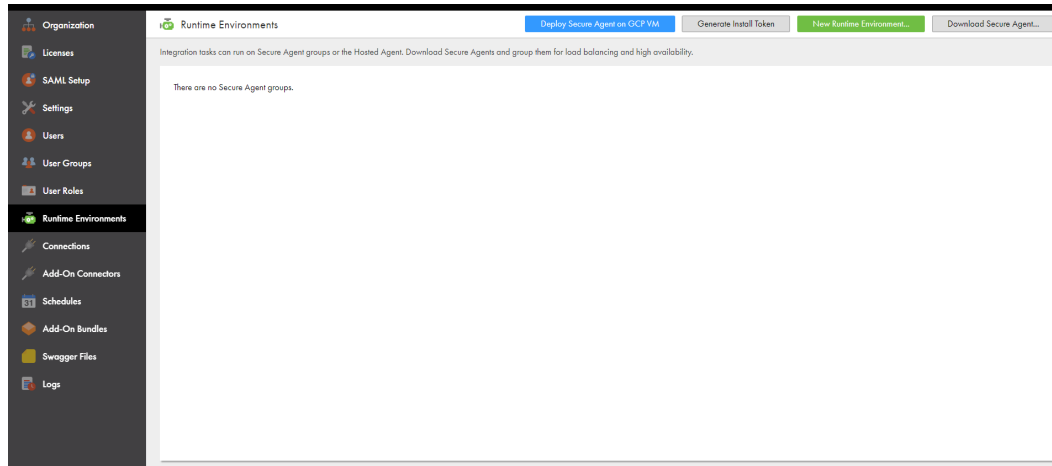
To deploy a Secure Agent in Microsoft Azure, you need an install token. Get the install token from the **Runtime Environments** page in the Administrator service, and paste it in the **Token** field in the **New Informatica Intelligent Cloud Services Secure Agent deployment** page.

1. Log in to your Informatica Intelligent Cloud Services account.
You will see the **My Services** page, as shown in the following image:



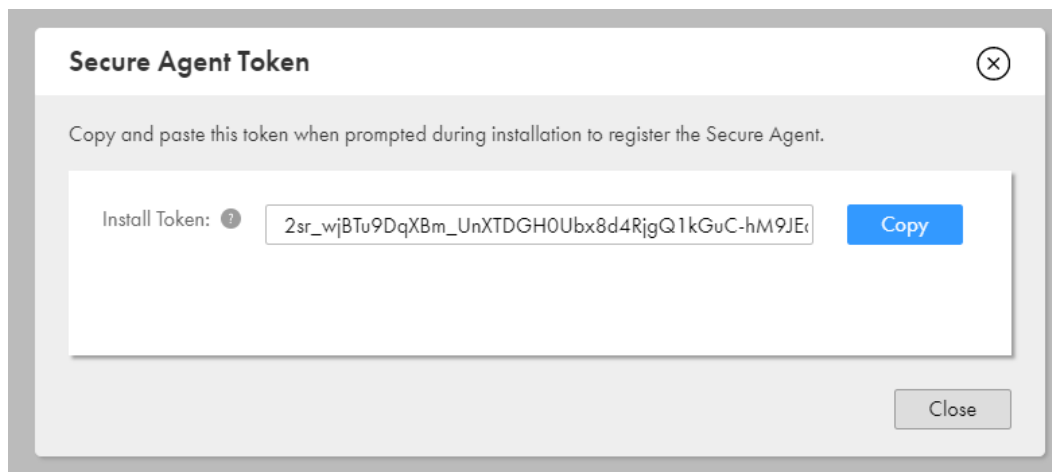
2. Choose **Administrator**.

3. Open the Runtime Environments page, as shown in the following image:



4. Click **Generate Install Token**.

An install token is generated, as shown in the following image:



5. Click **Copy** to copy the token.

After you copy the token, you can paste it in the **Token** field on the **New Informatica Intelligent Cloud Services Secure Agent deployment** page.

Troubleshooting

View the log files to know the status of the deployment.

You can access the log files on a Linux virtual machine at the following locations:

```
/opt/iics/apps/agentcore/agentcore.log  
/opt/iics/apps/agentcore/infaagent.log  
/opt/iics/iics_log.log
```

Note: On a Windows virtual machine, access the log file at the following location: C:\Informatica\secureagent.log

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