



Insight
powered by AppSense

Evaluation Quick Start Guide

Version 10.0 FR1

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Introduction

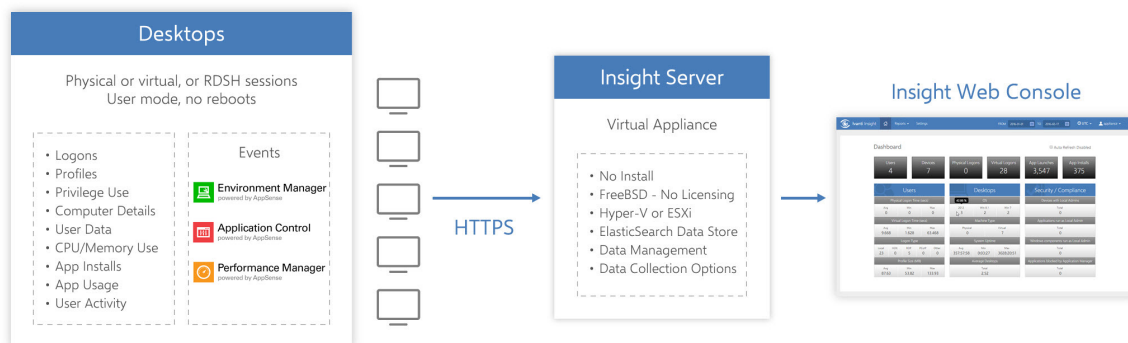
This guide is designed to assist with small evaluation installations of Ivanti Insight. For this guide, it is assumed that the administrator configuring the environment has access to the virtual infrastructure, as well as the network information required for configuration.

Insight can run on endpoints that do not have any Ivanti components installed. However, configuration can be simplified by using Ivanti Management Center and Environment Manager.

As this guide is designed for an evaluation and we will be bypassing SSL certificates for simplicity, it is not recommended to use in a production environment.

Technical Overview

The Ivanti Insight product is built on Linux FreeBSD, and is distributed as a virtual appliance (OVF), supporting the VMware ESXi, and Microsoft Hyper-V platforms. The following diagram shows an overview of the architecture:



Prerequisites

- You have downloaded the Insight Appliance, the latest patches, and the corresponding agents for your endpoints. Use the following link - an account is required:
<https://community.ivanti.com/docs/DOC-46894>
- You have an evaluation key for Insight. If you require one, please contact your Ivanti representative.
- You are using one of the following hypervisors - Insight cannot be installed on a physical server OS:
 - VMware ESXi versions 5.5 to 6.0
 - Hyper-V 2012 R2 and later
- Your virtual appliance has a minimum of 4GB RAM and 4vCPUs, and 50GB of disk space.



The Insight appliance, with install, requires 1TB of disk space. Howeverm this is thin provisioned, meaning it will grow into that, utilizing only the space it's consuming at the time up until that point. Typically, the majority of evaluation environments utilize up to 50GB.

Install the Insight appliance

1. Install/Deploy the Virtual appliance on your hypervisor.
2. In the console, enter the appliance password. The default password is: *AppSense* (case sensitive)
3. Create and verify a new password.
4. Press **ESC**.
5. Configure the network settings.

```

Main Menu
Change Password
>Configure networking
Cluster Configuration
Shutdown
Reboot

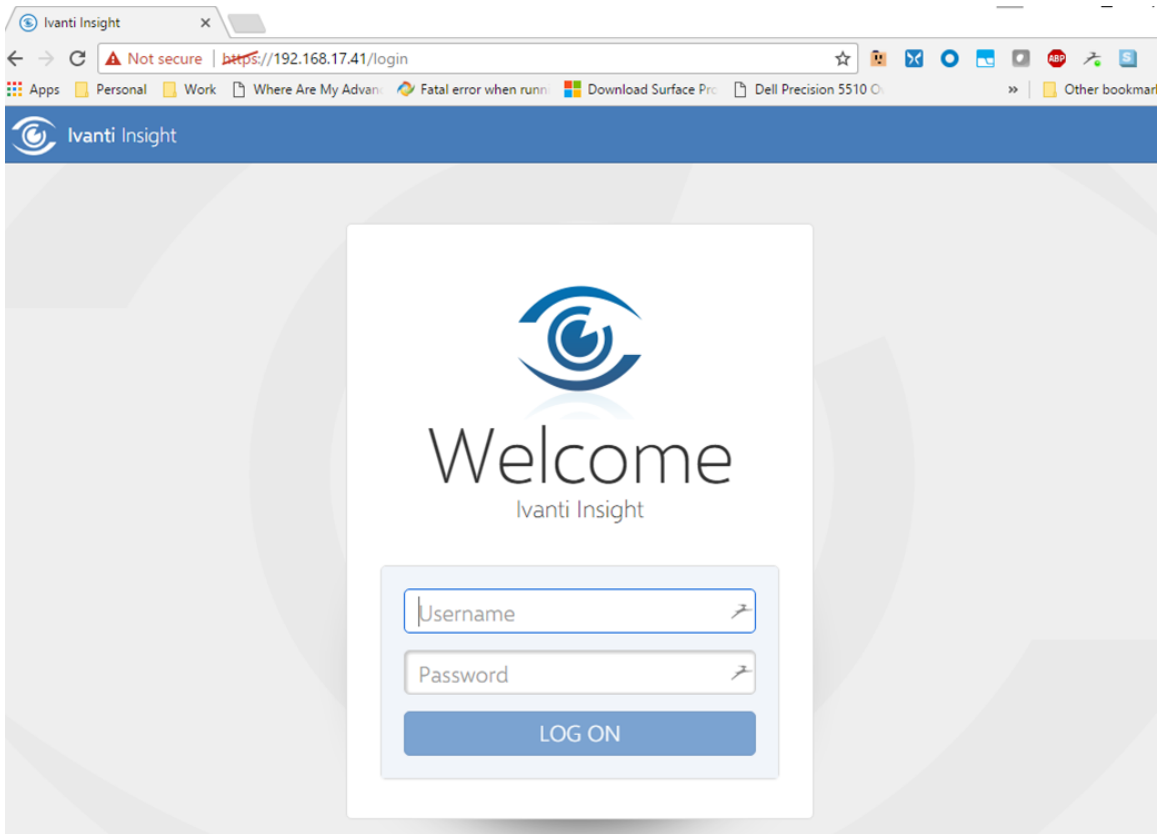
Configure networking
Host Name      insight_____
IPV4 Address  192.168.1.11
IPV4 Mask     255.255.255.0
Gateway       192.168.1.1

Use <F10> to accept new value or <F4> to abandon the settings
```

6. Press **F10** to accept the settings.
7. Reboot the appliance.

Once rebooted you can access the web UI by browsing to: [https://\(IP or FQDN of the Appliance name\)](https://(IP or FQDN of the Appliance name))

Ignore the certificate error - we will not be setting set up a cert on the appliance for the evaluation.



Configure the appliance in the web console

The following tasks are completed using the Insight web console, connected to your appliance server.

Access the console from a browser - [https://\(IP or FQDN of the Appliance name\)](https://(IP or FQDN of the Appliance name))

Login using the following credentials:

- Username: appliance
- Password: (The password you set in the [text console](#))

Update

1. Download the latest patches for the appliance: <https://community.ivanti.com/docs/DOC-46894>
2. In the Insight web console, click **Settings** > **Update**.
3. Click **BROWSE** and locate the patch you download.
4. Click **UPLOAD**.

Update

Browse to update file BROWSE

UPLOAD

ⓘ You will be automatically logged out and asked to sign in again when applying an update

Current Component Versions		Update History
Appliance Configuration Services	4.2.0.1	➤ 2017-04-04 10:22:46 UTC
Appliance Text Console	4.2.0.1	
Appliance Operating System	20160926	
Fission Clustering Services	2.0.0.112	
Patch Server	1.0.0.13	
Insight Server	10.0.3.221	
Insight Console	10.0.3.200	
Insight Appliance Plugins	4.2.0.1	
Indexing and search	3.0.1.5	
Live data feed	3.1.3.1	
High speed feed	1.0.0.22	
Search Engine Appliance Plugins	4.0.2.2	

The appliance automatically reboots and the login screen is displayed once the update is complete.

License

Licenses are available from your Ivanti sales representative - contact them for a trial license.

1. Save your license key as a text file.
2. In the Insight web console, click **Settings > License**.
3. Click **BROWSE** and select the license key text file.
4. Click **UPLOAD** - details of the uploaded license are displayed.
5. Click **APPLY LICENSE**.

Once applied, the License Details are updated to show the newly applied license.

License

BROWSE

UPLOAD

Current License Details

Name Appsense Ltd - UK - Daresbury
ID fa322b1c-f492-4209-ac54-17c90d53317f
Type Subscription
Issued January 6, 2016
Expiry December 31, 2999

Features

Feature ID 8B42547F-9BE6-4615-93F8-2ED466B9DC16
Feature Name Insight
License Count 10
Min Version 1.3.*
Max Version 1.3.*
Platform Flex

Expanded networking settings (optional)

This setting which is only required if you need to specify DNS servers within Active Directory and which domain names to search.

1. In the Insight web console, click **Settings > Networking**.
2. Complete the following settings:
 - Fully Qualified Domain Name (FQDN)
 - DNS Server IP address
 - DNS Search Domains
 - NTP Servers

To add and remove settings, click the + and – buttons.

3. When all required details have been added, click **APPLY SETTINGS**.

Networking

Fully Qualified Domain Name (FQDN)

APPLY SETTINGS CANCEL

DNS Servers	DNS Search Domains	NTP Servers
<input type="text" value="IP Address"/> +	<input type="text" value="Domain"/> +	<input type="text" value="IP Address / FQDN"/> +
192.168.100.210	No Domain(s) assigned	0.pool.ntp.org ×
		1.pool.ntp.org ×
		2.pool.ntp.org ×

SSL certificate

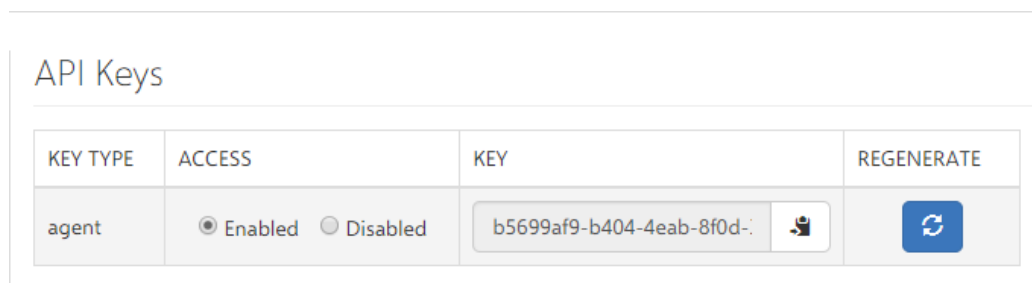
As this is a simple evaluation we are going to skip the SSL certificate step.



For more information about Insight certificates, see the [online help](#).

API keys

This is the unique required by Insight agents to enable connection to your Insight appliance. You will need it when installing the Insight agent.

1. In the Insight web console, click **Settings** > **API Keys**.
2. Click the copy button and paste the key into a text editor.



KEY TYPE	ACCESS	KEY	REGENERATE
agent	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled	b5699af9-b404-4eab-8f0d-... 	

Endpoint configuration with Environment Manager

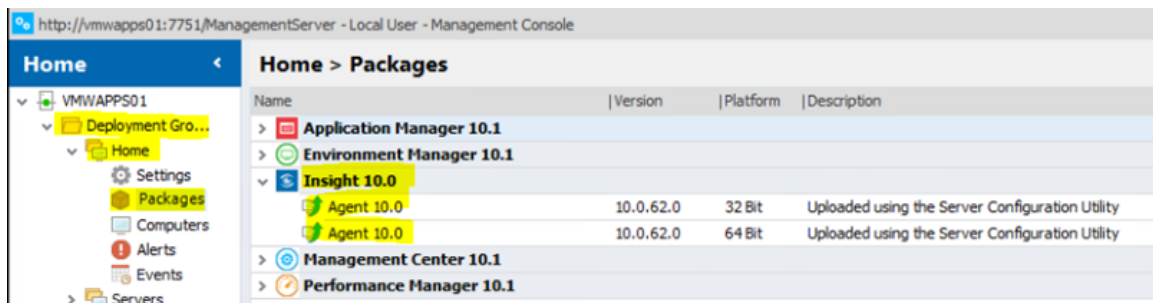
This section describes how to set up Insight on your endpoints using Ivanti Management Center and Ivanti Environment Manager.

For further information, see the [Management Center](#) and [Environment Manager](#) help systems.

Management Center Setup

Open the Ivanti Management Center console and ensure the Insight agent packages are set to deploy to the correct endpoints.

If changes are required, right click, highlight Insight from the Packages view, and select **Quick Setup**. For further information, see the [Packages](#) help topic.



The screenshot shows the Ivanti Management Console interface. The browser address bar displays 'http://vmwapps01:7751/ManagementServer - Local User - Management Console'. The left sidebar shows a navigation tree with 'VMWAPPS01' expanded, and 'Packages' highlighted. The main area shows a table of installed packages.

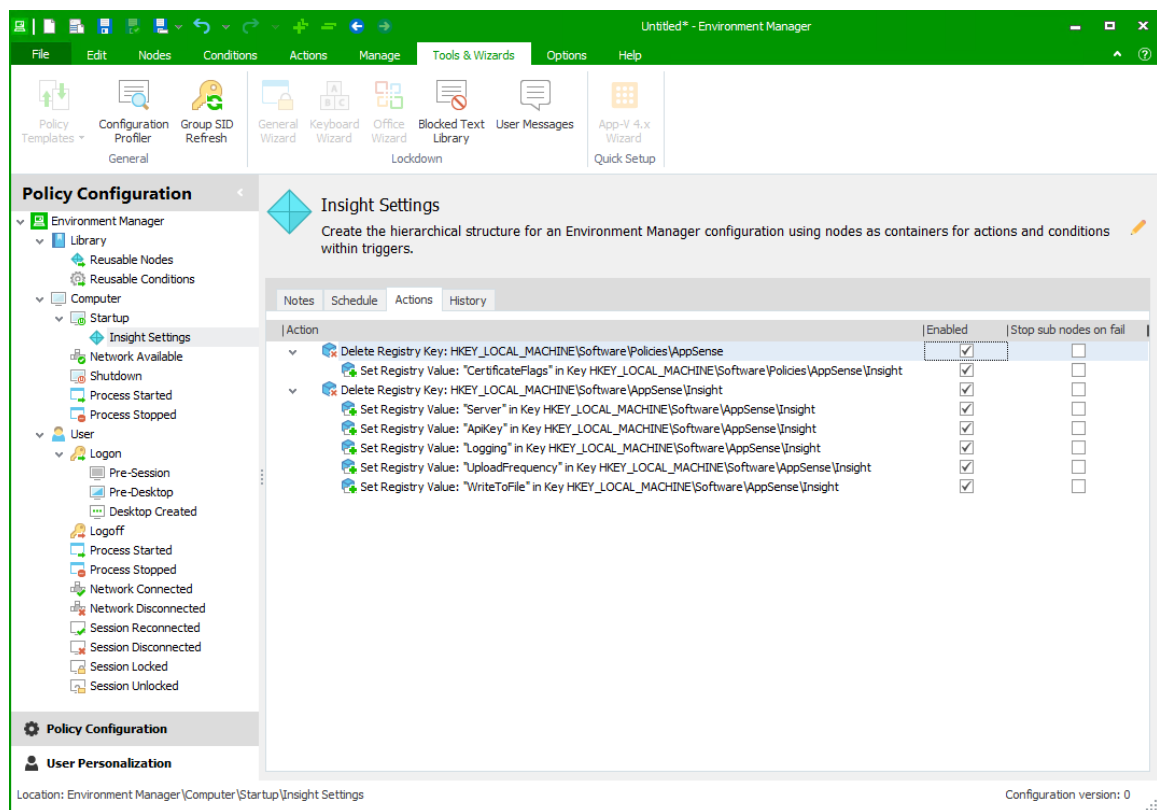
Name	Version	Platform	Description
> Application Manager 10.1			
> Environment Manager 10.1			
> Insight 10.0			
Agent 10.0	10.0.62.0	32 Bit	Uploaded using the Server Configuration Utility
Agent 10.0	10.0.62.0	64 Bit	Uploaded using the Server Configuration Utility
> Management Center 10.1			
> Performance Manager 10.1			

Environment Manager Setup

Environment Manager configuration requires new registry actions on the Computer Startup to set your server address, API key etc. There are also some auditing events which must be enabled.

1. Download and unzip the XML template: https://help.ivanti.com/ap/help/en_US/in/Ivanti-Insight-EM-Template.zip
2. In the Environment Manager console, select the **Computer Startup** trigger.
3. From the **Tools & Wizards** ribbon, select **Policy Templates > Import Template** and select the Ivanti-Insight-EM-Template.xml you downloaded.

Insight Registry actions are added to the Computer Startup trigger.



The screenshot shows the Ivanti Environment Manager console. The left sidebar displays the 'Policy Configuration' tree, with 'Computer Startup' expanded to show 'Insight Settings'. The main pane shows the 'Insight Settings' configuration, which includes a table of actions:

Action	Enabled	Stop sub nodes on fail
Delete Registry Key: HKEY_LOCAL_MACHINE\Software\Policies\AppSense	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Set Registry Value: "CertificateFlags" in Key HKEY_LOCAL_MACHINE\Software\Policies\AppSense\Insight	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Delete Registry Key: HKEY_LOCAL_MACHINE\Software\AppSense\Insight	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Set Registry Value: "Server" in Key HKEY_LOCAL_MACHINE\Software\AppSense\Insight	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Set Registry Value: "ApiKey" in Key HKEY_LOCAL_MACHINE\Software\AppSense\Insight	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Set Registry Value: "Logging" in Key HKEY_LOCAL_MACHINE\Software\AppSense\Insight	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Set Registry Value: "UploadFrequency" in Key HKEY_LOCAL_MACHINE\Software\AppSense\Insight	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Set Registry Value: "WriteToFile" in Key HKEY_LOCAL_MACHINE\Software\AppSense\Insight	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Location: Environment Manager\Computer\Startup\Insight Settings Configuration version: 0

4. Modify the following Environment Manager actions with your own data:

EM Action	Change Required
Server	The name of the server to which the Insight data should be uploaded. Replace the value with the address of your server (https://(IP or FQDN of the Appliance name))
API Key	Replace the value with the key you copied from the web console earlier. For more information, see the API keys .

The template also includes the following actions that can be modified as required:

EM Action	Description
Logging	If set to 1, all logging is enabled. The log file InsightDebug.log is located in "%PROGRAMDATA%\AppSense\Insight". The last log file is kept with extension .old In the template, this is set to 1 to enable logging.
WriteToFile	If set to non-zero, collected data will write to the "InsightLocal.log" file in the "%PROGRAMDATA%\AppSense\Insight" folder instead of sending it to the server. In the template, this is set to zero so collected data will write to your server.
UploadFrequency	The length of time, in milliseconds, between data uploads from clients to the server. If this value is not present the default period is 120000 ms (two minutes). The setting should not exceed 20 minutes. In the template, this is set to 15 seconds.
CertificateFlags	Suppresses errors with the SSL Certificate for the target Ivanti Insight Server. This is useful for Test Labs where distribution of the SSL certificate is problematic, or for diagnosing issues with the SSL Certificate. In the template this key is set to disable certificate checking.

5. From the **Manage** ribbon, select **Auditing**.

6. Enable the following events:

Event ID	Event Name	Event Description	Event Log Type
9405	User logon action success	A user logon action completed successfully.	Information
9406	User logon action fail	A user logon action failed to complete successfully.	Error
9436	User logon (pre-session) action success	A user logon (pre-session) action completed successfully.	Information
9437	User logon (pre-session) action fail	A user logon (pre-session) action failed to complete successfully.	Information
9438	User logon (pre-desktop) action success	A user logon (pre-desktop) action completed successfully.	Information
9439	User logon (pre-desktop) action fail	A user logon (pre-desktop) action failed to complete successfully.	Information
9440	User logon (desktop created) action success	A user logon (desktop created) action completed successfully.	Information
9441	User logon (desktop created) action fail	A user logon (desktop created) action failed to complete successfully.	Information

7. Save the Environment Manager configuration and deploy to endpoints using Ivanti Management Center.
8. Reboot your endpoints to implement the registry actions.

Following the reboot of the endpoints, data starts to collect and displays in the Insight reports.

Endpoint configuration without Environment Manager

If you are evaluating Insight on devices without any Ivanti User Workspace Manager components, you will need to use one of the following methods to push out and install the settings on your endpoints:

- A manual install of the agent and registry settings
- Group Policy installing the agent and registry settings
- A 3rd party tool to push the Insight Agent to the endpoint and registry settings

Command line client install

Use the following command line arguments can also be used when installing the agent MSI:

Command Line Argument	Description
INSIGHT_SERVER	The hostname to which the Insight components should connect. For example, <i>dev.companymobile.com</i>
INSIGHT_KEY	The API key that was generated from the Insight console.

Example 1

Install an Insight client from a specified folder with the required server and API key.

```
msiexec.exe /i "C:\Insight\InsightAgent64_1.4.8.0.msi" ANALYTICS_SERVER="https://192.168.1.11" ANALYTICS_KEY="b5699af9-b404-4eab-8f0d-395b738acc2c" /qn
```



The server and API keys are set in the registry at HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Ivanti\Insight

Example 2

Update an Insight client from a specified folder.

```
msiexec.exe /i "C:\Insight\InsightAgent64_1.4.8.0.msi" PATCH="C:\Insight\InsightAgent64_1.4.24.0.msp" /qn
```


Insight settings with Group Policy

1. Download the ADMX settings: https://help.ivanti.com/ap/help/en_US/in/Ivanti-Insight-ADMX.zip
2. Import the templates into Active Directory Group Policy.
3. Modify the following Insight settings for your installation:
 - **Server API Key** - Copied from the [API setting](#) in the Insight web console.
 - **Server FQDN** - IP or FQDN of the Appliance name beginning with https://
 - **Upload Frequency** - The frequency, in milliseconds, that the client sends data to the server. If this value is not present the default period is two minutes (120,000ms).
 - **SSL Cert. Flags** - Set to Ignore all Certificate Errors for testing.

Leave the remaining settings at the default value.

Insight settings with registry files

Download the registry settings file: https://help.ivanti.com/ap/help/en_US/in/Ivanti-Insight-Registry.zip

Modify the following fields for your environment:

- **Server** - IP or FQDN of the appliance name starting with https://
- **APIKey** - Copied from the [API setting](#) in the Insight web console.

Leave the remaining settings at the default values.

More Resources

Further information about installing, configuring and using AppSense Insight is available from the [Insight online help](#).

If you encounter any issues or want to provide feedback on Ivanti Insight please visit the [Insight Forum](#) on the Ivanti Exchange.