

# Intel® EMA Cloud Start Tool for Microsoft Azure Quick-Start Guide



Intel® Endpoint Management Assistant(Intel® EMA)  
Cloud-Start Tool for Establishing Intel® EMA in Microsoft  
Azure Cloud

Quick Start Guide

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Intel technologies may require enabled hardware, software or service activation.

No product or component can be absolutely secure.

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# Intel® EMA Cloud Start Tool for Microsoft Azure

## Quick-Start Guide

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# Intel® EMA Cloud Start Tool for Microsoft Azure

## Quick-Start Guide

### Description

The links below will create a Virtual Machine in Microsoft\* Azure for the evaluation of Intel® EMA. Each link establishes an appropriately sized, stand-alone, Microsoft Windows® server with a default set of background services and network configurations to allow your endpoints to communicate with your Intel EMA console using Intel Client Initiated Remote Access (CIRA) protocol. Once the server is established, Intel® EMA will be installed with a base configuration automatically. Please allow ~30 minutes for the deployment to complete.

### Getting started

From the Intel Download center:

<https://www.intel.com/content/www/us/en/download/19738>

#### Select the link that best fits your needs

##### **Simplified template**

[Click here](#) to Deploy Intel® EMA in a Single-Server Configuration

Recommended for pre-production evaluation environments

Database: Microsoft SQL Express

Estimated Microsoft Azure cost ~\$80-\$170/month\*

##### **Advanced Template**

[Click here](#) to Deploy a Single-Server Configuration of Intel® EMA with Multi-Server Scalability

Recommended for large or multi-tenant environments

Database: Microsoft Azure SQL

Configurable for use with Active Directory\*\*

Estimated Microsoft Azure cost ~\$170/month\*

##### **Enterprise Template**

[Click here](#) to Deploy a Single-Server Configuration of Intel® EMA with Multi-Server Scalability

Database: Configurable options

Configurable for use with Active Directory\*

Estimated Microsoft Azure cost: Variable based on selections

<sup>1,2</sup>Recommended for evaluation environments due to the use of Microsoft SQLExpress(1), or due to the use of Azure SQL(2), which as of the time this release, had not been fully validated for use with Intel EMA. Please see Microsoft documentation for details of SQLExpress limitations. Please see the Intel EMA Administration and Usage Guide, linked in the 'Additional Resources' section of this document, for more information on fully validated database solutions.

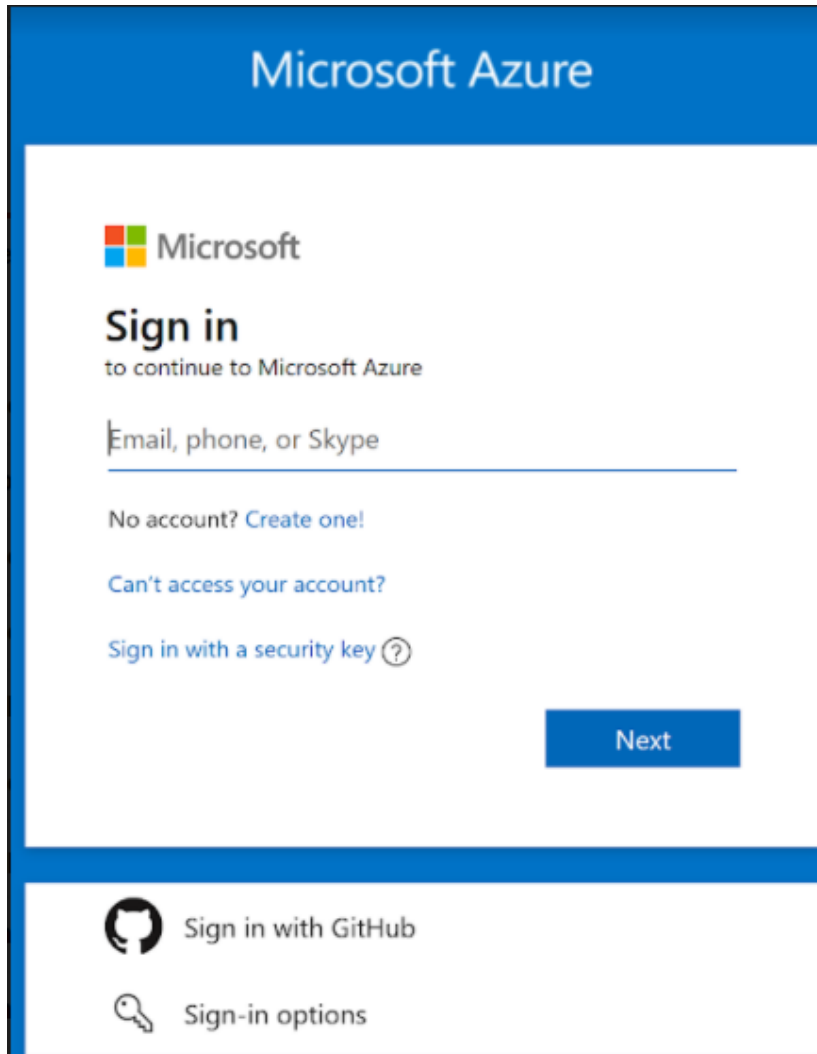
<sup>3</sup>Estimated costs are based on results from the Azure pricing calculator, linked in the 'Additional Resources' section of this document. Your costs may vary.

# Intel® EMA Cloud Start Tool for Microsoft Azure

## Quick-Start Guide

### Microsoft Azure

After you make an initial selection, you will be taken to Microsoft Azure where you may be prompted to login or sign-up.

The image shows the Microsoft Azure sign-in page. At the top, there is a blue header with the text "Microsoft Azure". Below this, the Microsoft logo is displayed. The main heading is "Sign in" followed by the subtext "to continue to Microsoft Azure". There is a text input field labeled "Email, phone, or Skype". Below the input field, there are three links: "No account? Create one!", "Can't access your account?", and "Sign in with a security key ?". A blue "Next" button is located at the bottom right of the sign-in section. At the bottom of the page, there are two options: "Sign in with GitHub" with the GitHub logo and "Sign-in options" with a key icon.

NOTE: If you need to create an account and are not automatically taken to the virtual machine setup afterwards, you may need to start the process again once logged in to Microsoft Azure.

# Intel® EMA Cloud Start Tool for Microsoft Azure

## Quick-Start Guide

### Intel® EMA instance deployment – Simplified Template

Once logged in you will be taken to the server creation template. Follow the tool-tips and other on-page guidance to fill in the required fields.



Microsoft Azure


Search resources, services, and docs (G+/I)


Home >


## Custom deployment

Deploy from a custom template

 Customized template   
6 resources

 Edit template

 Edit parameters

 Visualize


### Create a VM running Intel Endpoint Management Assistant (Intel® EMA)


[Learn more about Intel® EMA](#)


This simplified template will deploy a virtual machine on a new virtual network, install pre-requisite software, install Intel EMA and perform minimal configuration. It will acquire a free certificate from Let's Encrypt based on the FQDN assigned during the virtual machine creation. Please complete all of the fields below that are marked as required. By using this tool, you agree to all third party end user license agreements.


#### Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* 


BCPTSS-GK 


Resource group \* 





[Create new](#)


#### Instance details


Region \* 


East US 


Virtual Machine name \* 


Username \* 

VM Password \* 

Confirm password \* 

Additional VM parameters 

Size of Virtual Machine \* 

Standard\_D2s\_v3 

Add to an existing server group or create a new group

Enter credentials for your virtual machine

# Intel® EMA Cloud Start Tool for Microsoft Azure

## Quick-Start Guide

Specify the Intel EMA configuration parameters. The password specified below will be used for the Global and Tenant admin accounts as well as the endpoint group and Auto-Setup. These can be changed after the deployment has completed vis your Intel EMA administration web portal.

**Intel EMA configuration parameters**

Specify the Intel EMA configuration parameters below.

The password specified below will be used for the Global and Tenant admin accounts as well as the Endpoint group and Auto-Setup. These can be changed after the deployment has completed via your Intel EMA administration web portal.

Global Administrator username *	<input type="text" value="emaglobaladmin@yourdomain.com"/>	✓	Global Admin Username: Email for Intel® EMA administrator
Tenant Administrator username *	<input type="text" value="ematenantadmin@yourdomain.com"/>	✓	
Intel EMA password *	<input type="password" value="....."/>	✓	Tenant Admin Username: Email for Intel® EMA tenant administrator
Confirm Intel EMA password *	<input type="password" value="....."/>	✓	

Select the checkbox below if you'd like to customize some of the deployment parameters otherwise, default values will be used.

Customize Intel EMA parameters	<input checked="" type="checkbox"/>	Choose to customize Intel® EMA parameters or keep default values
Tenant Name *	<input type="text" value="Default Tenant"/>	
Endpoint Group Name *	<input type="text" value="Default Endpoint Group"/>	
AMT Profile Name *	<input type="text" value="Default AMT Profile"/>	

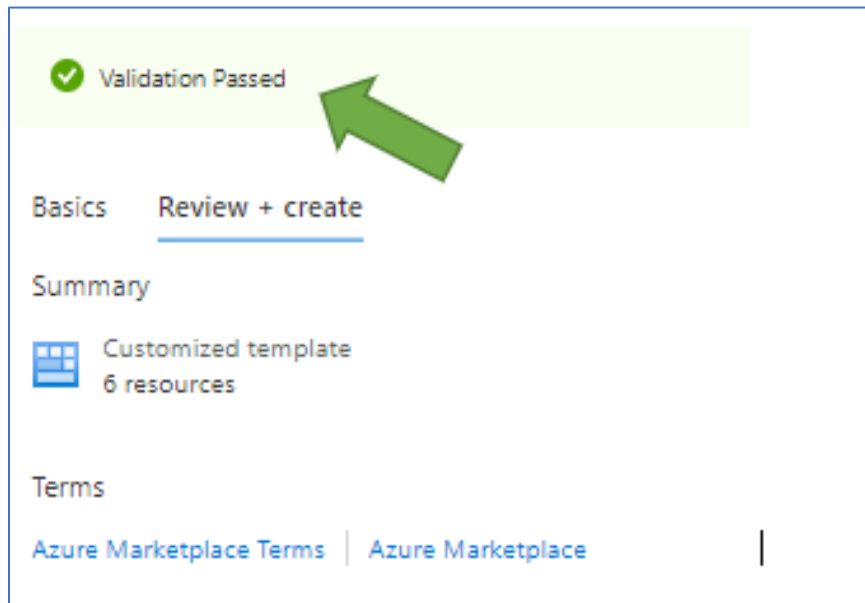
**Review + create** < Previous Next : Review + create >

Once you complete the form, click **Review + create**:

**Review + create** < Previous Next : Review + create >

## Intel® EMA Cloud Start Tool for Microsoft Azure Quick-Start Guide

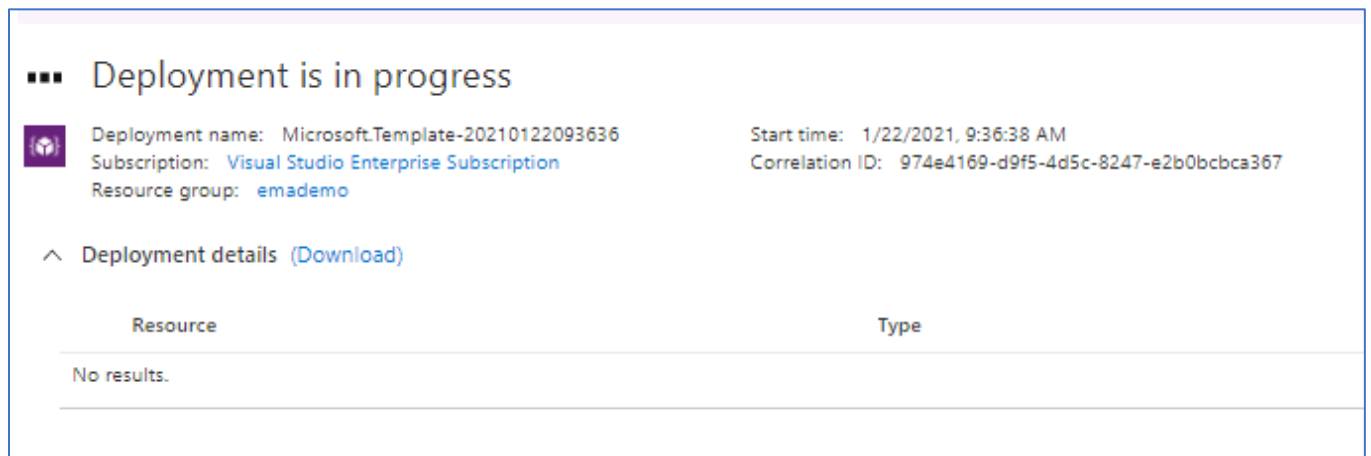
On the review screen you should see a validation message.



Create the server



Creation will take approximately 15 to 25 minutes during which time you will see the following screen:



## Intel® EMA Cloud Start Tool for Microsoft Azure Quick-Start Guide







Once creation is complete, the following message will appear.

✓ Your deployment is complete

Click on **Go to resource group**.

Go to resource group

Review the services created, then click on your virtual machine for additional details.

<input type="checkbox"/> Name ↑↓	Type ↑↓	Location ↑↓
<input type="checkbox"/>  EMATEST-JTS	Virtual machine	West US 2
<input type="checkbox"/>  ematest-jts	SQL virtual machine	West US 2
<input type="checkbox"/>  EMATEST-JTS-ip	Public IP address	West US 2
<input type="checkbox"/>  EMATEST-JTS-nsg	Network security group	West US 2
<input type="checkbox"/>  ematest-jts822	Network interface	West US 2
<input type="checkbox"/>  EMATEST-JTS_OsDisk_1_781b1cb742a04b53...	Disk	West US 2

The DNS name will be the URL used to access your Intel® EMA console via your browser.

Resource group (change)

JTS

Status

Running

Location

West US 2

Subscription (change)

Visual Studio Enterprise

Subscription ID

7e4a7ea8-8c31-4d5c-9b5e-41172ef24c54

Operating system

Windows (Windows Server 2016 Datacenter)

Size

Standard B2ms (2 vcpus, 8 GiB memory)

Public IP address

13.66.161.117

Virtual network/subnet

JTS-vnet/default

DNS name

ematest-jts.westus2.cloudapp.azure.com

Copy to clipboard

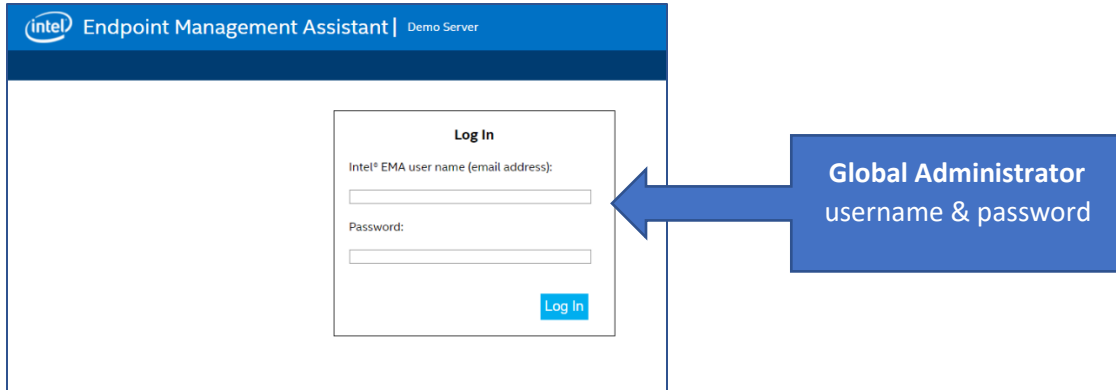


# Intel® EMA Cloud Start Tool for Microsoft Azure

## Quick-Start Guide

### Login to your Intel® EMA Console

Paste the server URL into your browser and you will be prompted by a login screen, shown below.



The screenshot shows the login interface for the Intel Endpoint Management Assistant. The header bar is blue with the Intel logo and the text 'Endpoint Management Assistant | Demo Server'. Below this, the main content area is white and contains a 'Log In' form. The form has two input fields: 'Intel® EMA user name (email address):' and 'Password:'. A blue button labeled 'Log In' is positioned at the bottom right of the form. A blue arrow points from a blue box on the right, labeled 'Global Administrator username & password', to the username input field.

*\*NOTE: At this point your console is accessible via the web, and an SSL certificate was obtained from the "Let's Encrypt" public certificate authority and installed automatically for you. Communication with your Intel EMA console is secured with a publicly trusted, RSA 2048bit, SHA256 certificate.*

### Configure your Intel® EMA instance

Your Intel EMA server is complete and Intel EMA can now be accessed and managed via the web. Please refer to the Intel® EMA Administration and Usage guide for additional setup and maintenance tasks and general usage instructions before configuring endpoints.

<https://www.intel.com/content/dam/support/us/en/documents/software/manageability-products/intel-ema-admin-and-usage-guide.pdf>

# Intel® EMA Cloud Start Tool for Microsoft Azure Quick-Start Guide

## Intel® EMA instance - Advanced Template

### Custom deployment ...

Deploy from a custom template

#### Create a VM running Intel Endpoint Management Assistant (Intel® EMA)

[Learn more about Intel® EMA.](#)

This template will create a virtual machine, install the first server in an Intel EMA distributed server architecture and perform minimal configuration. It will acquire a free certificate from Let's Encrypt based on the FQDN assigned during the virtual machine creation.

Questions about this template? Check out the Intel EMA CloudStart tool for Azure Guide.

[Intel® EMA CloudStart tool for Azure Guide.](#)

#### Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ	<input type="text" value="Visual Studio Enterprise"/>
Resource group * ⓘ	<input type="text" value=""/> <a href="#">Create new</a>

Add to an existing server group or create a new group

#### Instance details

Region * ⓘ	<input type="text" value="West US 2"/>
Virtual Machine name * ⓘ	<input type="text"/>
Username * ⓘ	<input type="text" value="ServerAdmin"/>
VM Password * ⓘ	<input type="password" value="....."/>
Confirm password * ⓘ	<input type="password"/>
Size of Virtual Machine * ⓘ	<input type="text" value="Manage up to 5000 devices"/>
RDP Access (leave default if unsure) * ⓘ	<input type="text" value="127.0.0.1/32"/>

Enter credentials for your virtual machine

# Intel® EMA Cloud Start Tool for Microsoft Azure

## Quick-Start Guide

The virtual network and subnet selected above in the "Configure virtual networks" section must be able to access your Active Directory infrastructure. Specify the username in UPN format, the Active Directory domain to join and the DNS servers that can resolve the domain.

Join an Active Directory domain  
(leave unchecked if not joining AD)



Active Directory account \*

\*Active Directory password

Active Directory domain (UPN suffix) \*

Primary DNS \*

Secondary DNS \*

Select the box to configure to join an Active Directory domain

### Intel EMA configuration parameters

If using Active Directory, the user accounts must exist before specifying below. Accepting the defaults will re-use the Tenant Admin password for the Endpoint Group and Auto-Setup passwords. Usernames must be specified in email address/UPN format.

For a description of each of the parameters required below, please review section 5 of the Intel EMA Quick Start Guide.  
[Intel EMA Quick Start Guide](#)

Questions about this template? Check out the Intel EMA CloudStart Tool for Azure Guide.  
[Intel EMA CloudStart Tool for Azure Guide](#)

Global Admin \*

Global admin password \*

Tenant Admin \*

Tenant admin password \*

**Global Admin**  
Username: Email for Intel® EMA administrator

**Tenant Admin**  
Username: Email for Intel® EMA tenant administrator

Select the box below and complete each of the fields to customize additional Intel EMA configuration parameters.

Customize configuration parameters  
(leave unchecked to accept defaults)



Select the checkbox below to customize the Intel EMA fully qualified domain name. This option is necessary if load balancing will be used in a distributed architecture, use of a custom domain named is desired, etc.

Customize the Intel EMA FQDN  
(leave unchecked if using VM FQDN)



Click here for customized Intel EMA configuration parameters. Leave blank for default

Customize your domain name. Leave blank to accept Azure defaults

### Create a new Azure SQL resource

Select an existing Azure SQL server or create a new Azure SQL server. If using an existing resource, the firewall rules for the SQL server must be configured to allow access from all Azure resources. Firewall rules will be created automatically if creating a new SQL resource.

Please be aware that use of Azure SQL servers is a fully functional preview feature at this time. Full validation for use with Intel EMA is ongoing.

New or use existing Azure SQL \*

SQL Account \*

SQL account password \*

Confirm SQL account password \*

# Intel® EMA Cloud Start Tool for Microsoft Azure

## Quick-Start Guide

### Create a new Azure SQL resource

Select an existing Azure SQL server or create a new Azure SQL server. If using an existing resource, the firewall rules for the SQL server must be configured to allow access from all Azure resources. Firewall rules will be created automatically if creating a new SQL resource.

Please be aware that use of Azure SQL servers is a fully functional preview feature at this time. Full validation for use with Intel EMA is ongoing.

New or use existing Azure SQL \* ⓘ

SQL Account \* ⓘ

SQL account password \* ⓘ

Confirm SQL account password \* ⓘ

Choose to create a new, or use an existing Azure SQL resource

Enter Azure SQL account credentials

Select the box below and complete each of the fields to customize the new Azure SQL resource. It is highly recommended to accept the default SQL server name as it must be globally unique across all Azure resources.

Select to specify SQL names ☐  
(leave unchecked for auto-generated)

\*By using this tool, you agree to all applicable license agreements. \* ☐

Once you complete the form, click **Review + create**:

**Review + create** < Previous Next : Review + create >

# Intel® EMA Cloud Start Tool for Microsoft Azure

## Quick-Start Guide

### Intel® EMA Instance - Enterprise Template

The enterprise template offers the ability to further customize the database by connecting to an existing database, or customizing the name.

#### Azure SQL resource options

Select an existing Azure SQL server or create a new Azure SQL server. Firewall rules for the existing Azure SQL server must be configured to allow access from this Azure resources.

Please be aware that use of Azure SQL servers is a fully functional preview feature at this time. Full validation for use with Intel EMA is ongoing.

New or use existing Azure SQL * ⓘ	<input type="text" value="Create new Azure SQL resource"/>
SQL Account * ⓘ	<input type="text"/>
SQL account password * ⓘ	<input type="password"/>
Confirm SQL account password * ⓘ	<input type="password"/>

Select the box below and complete each of the field to customize the new Azure SQL resource. It is highly recommended to accept the default SQL server name as it must be globally unique across all Azure resources.

Select to specify SQL server name (leave unchecked for auto-generated)	<input checked="" type="checkbox"/>
SQL server name (Server name must be unique) * ⓘ	<input type="text" value="sql-9c915356-a66e-4a0b-a453-e1a871e7c9b3"/> ✓
Database name * ⓘ	<input type="text" value="EMADatabase"/>

### Additional Resources

- [Intel EMA Release Notes \(Intel\(R\) EMA Release Notes.pdf\)](#)
- [Intel EMA User Guide \(Intel-EMA-Admin-and-Usage-Guide.pdf\)](#)
- [Readme \(Configuring LAN-less Endpoints to ACM.pdf\)](#)
- [Installation Guides \(Intel\(R\) EMA Web Deployment Guide for GCP.pdf\)](#)
- [Installation Guides \(Intel\(R\) EMA Web Deployment Guide for Azure.pdf\)](#)
- [Installation Guides \(Intel\(R\) EMA Web Deployment Guide for AWS.pdf\)](#)
- [Azure Pricing Calculator \(https://azure.microsoft.com/en-us/pricing/calculator/\)](https://azure.microsoft.com/en-us/pricing/calculator/)
- [Source Scripts – Downloadable .zip file for advanced use cases](#)