

# AIO-19 LAB SETUP

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### Overview

#### References:

- [Exchange Server prerequisites](#)
- [Exchange Server system requirements](#)
- [Use unattended mode in Exchange Setup](#)
- [Step by Step Installation of Exchange Server 2019](#)

EX19_AIO		
Host	shgbsvmas	<a href="#">VMAS - Workspaces</a>
Host Name	AIO-19	
Role	DC & MBX & Outlook	
OS Version	Windows Server 2019 Datacenter (GA) Desktop	
Original OS Language	English (en- us)	
Additional Language Packs	Simplified Chinese (zh-cn) Traditional Chinese (zh-tw)	
Exchange Build Number	CU12	Exchange Server build numbers and release dates <a href="https://docs.microsoft.com/en-us/exchange/new-features/build-numbers-and-release-dates?view=exchserver-2019">https://docs.microsoft.com/en-us/exchange/new-features/build-numbers-and-release-dates?view=exchserver-2019</a>
Password Complexity	1	
Certificate created and configured	Exchange self- generated	
Outlook Version	Microsoft 365 2019	

<b>EX19_AIO</b>		
Outlook Language Packs	Simplified Chinese (zh-cn) English (en-us) Traditional Chinese (zh-tw)	
Outlook Anywhere enabled	Y	
OAB and EWS enabled	Y	
Network Monitor installed	Y	<a href="https://aka.ms/wxex">https://aka.ms/wxex</a>
Fiddler installed	Y	<a href="https://aka.ms/wxex">https://aka.ms/wxex</a>
Telnet25	Y	<a href="https://aka.ms/wxex">https://aka.ms/wxex</a>
ExTRA	Y	<a href="https://aka.ms/wxex">https://aka.ms/wxex</a>
Disable CRL check		Exchange 2010 Management Console (EMC) is very slow <a href="https://blogs.technet.microsoft.com/nawar/2011/06/03/exchange-2010-management-console-emc-is-very-slow/">https://blogs.technet.microsoft.com/nawar/2011/06/03/exchange-2010-management-console-emc-is-very-slow/</a> Configuring Exchange Servers Without Internet Access <a href="https://techcommunity.microsoft.com/t5/exchange-team-blog/configuring-exchange-servers-without-internet-access/ba-p/593692">https://techcommunity.microsoft.com/t5/exchange-team-blog/configuring-exchange-servers-without-internet-access/ba-p/593692</a>
NIC	Private IP	
ActiveSync device connectivity	Y	
Additional disk for Backup issue	Y	
Enable Windows Server Backup	Y	
Backup	Y	
Snap Shot	Y	
Lab known issue		If EMC and EMS does not work properly, please clean the credential manager in the Control Panel. It is because Outlook user credential cache.

<b>EX19_AIO</b>		
FAQ		

## Deployment Step by step

Here are the deferences of deployment between the AIO-19 and the general AIO. For more information about the general deployment of AIO, see [General Deployment of AIO Step by step](#).

### Step 1: configure the all-in-one virtual machine on VMAs.

1.3. In the pop up **New Workspace**, type "2019" in the Filter Operating Systems, add one **Windows 2019 Datacenter (GA) Desktop**, and click on **Next** at the **Step 1** tab.

Add workspace object

Machines
Networks
Templates

Connect machines to  

Private Network
 ▼

Filter

Windows 2019 Datacenter (GA) Desktop	<span style="background-color: #28a745; color: white; border-radius: 50%; padding: 2px 5px;">1</span> <span style="margin: 0 5px;">+</span> <span style="margin: 0 5px;">-</span> <span style="margin: 0 5px;">♥</span>
Windows 2016 Datacenter (RTM)	<span style="margin: 0 5px;">+</span> <span style="margin: 0 5px;">-</span> <span style="margin: 0 5px;">♥</span>
Windows 2012 R2 Datacenter	<span style="margin: 0 5px;">+</span> <span style="margin: 0 5px;">-</span> <span style="margin: 0 5px;">♥</span>
Windows 10 Enterprise x64 (2016 LTSC)	<span style="margin: 0 5px;">+</span> <span style="margin: 0 5px;">-</span> <span style="margin: 0 5px;">♥</span>
Windows 10 Enterprise x64 2019 LTSC (Build 18363.1734)	<span style="margin: 0 5px;">+</span> <span style="margin: 0 5px;">-</span> <span style="margin: 0 5px;">♥</span>
Windows 2019 Datacenter 1903 Core	<span style="margin: 0 5px;">+</span> <span style="margin: 0 5px;">-</span> <span style="margin: 0 5px;">♥</span>
Windows 2019 Datacenter Core	<span style="margin: 0 5px;">+</span> <span style="margin: 0 5px;">-</span> <span style="margin: 0 5px;">♥</span>

Add
Cancel

### Step 2: login the AIO with RDCMan.exe.

Refer to the 'Step 2' in [General Deployment of AIO Step by step](#).

### Step 3: install necessary applications.

You need to install apps below:

1. Microsoft Edge Browser.
2. .NET Framework 4.8.
3. Visual C++ Redistributable Package for Visual Studio 2013

4. Unified Communications Managed API 4.0 Runtime

5. IIS URL Rewrite 2.1

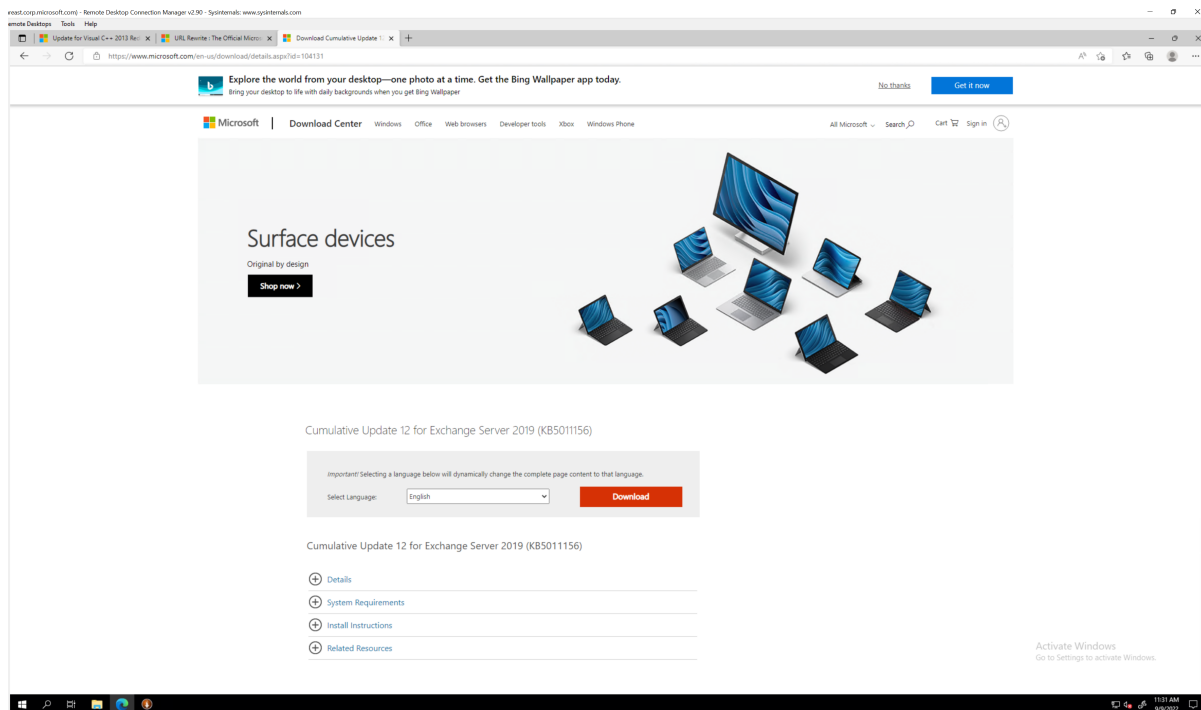
6. Cumulative Update 12 for Exchange Server 2019

The installation of 1~4 refer to 'Step 3' of [General Deployment of AIO Step by step](#);

The installation of 5 refer to 'Step 3' of [AIO-16 LAB SETUP](#);

The installation of 6 refer to the below:

Please download [Cumulative Update 12 for Exchange Server 2019 \(KB5011156\)](#).



**Step 4: pending the ISO.**

Refer to 'Step 4' of [General Deployment of AIO Step by step](#).

**Step 5: install Windows Features.**

Refer to 'Step 5' of [AIO-16 LAB SETUP](#).

**Step 6: prepare AD schema, AD, and domain.**

Refer to 'Step 6' of [AIO-16 LAB SETUP](#).

**Step 7: install exchange mailbox role**

Refer to 'Step 7' of [AIO-16 LAB SETUP](#).

**Step 8: install o365.**

Same as **Step 7** in [General Deployment of AIO Step by step](#).

**Preparation mentioned in Overview.**

Same as **Preparation mentioned in Overview** in [General Deployment of AIO Step by step](#).