

# Установка Exchange Server 2016 на Windows Server 2012 R2

heyvaldemar.net/ustanovka-exchange-server-2016-na-windows-server-2012-r2

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3 ноября 2018 г.

Данная статья предназначена для тех, кто искал подробное и понятное руководство о том, как установить Exchange Server 2016 на Windows Server 2012 R2.

Подробно о том, как установить Exchange Server 2019 на Windows Server 2019, вы можете, прочитать в моем руководстве [“Установка Exchange Server 2019 на Windows Server 2019”](#).

В данном руководстве рассматривается установка Exchange Server 2016 без реализации отказоустойчивости.

Описание требований к оборудованию для Exchange 2016 можно найти по [ссылке](#).

Мы будем рассматривать тот случай, когда у вас уже есть два сервера с установленной на них операционной системой Windows Server 2012 R2. Кроме того, на одном из серверов должна быть установлена роль Active Directory Domain Services.

Подробно о том, как установить Windows Server 2012 R2, вы можете прочитать в моем руководстве [“Установка Windows Server 2012 R2”](#).

Кроме того, на одном из серверов должна быть установлена роль Active Directory Domain Services, а второй сервер должен быть включен в домен.

Узнать о том, как установить Active Directory Domain Services на Windows Server 2012 R2, вы можете, прочитав [“Установка Active Directory Domain Services на Windows Server 2012 R2”](#).

После установки Exchange Server 2016 произвести настройку вам поможет мое руководство [“Настройка Exchange Server 2016”](#).

Рекомендую всегда использовать англоязычные издания Exchange Server. Как показывает практика, оригинальные (английские) версии Exchange работают стабильнее, к тому же вам будет проще общаться на одном языке с профессионалами в случае возникновения проблем или при желании обменяться опытом.

Загрузить актуальную версию Exchange Server 2016 можно по [ссылке](#). Затем потребуется смонтировать загруженный ISO-образ в виртуальный привод.

В данном руководстве рассматривается установка Exchange Server 2016 Cumulative Update 2 (Exchange 2016 CU2, released: June 2016). Вам нужно загрузить актуальный на момент прочтения статьи Cumulative Update. Каждый CU является полной установкой Exchange, включающей в себя обновления и изменения из всех предыдущих CU. Вам не потребуется устанавливать предыдущие CU или Exchange 2016 RTM.

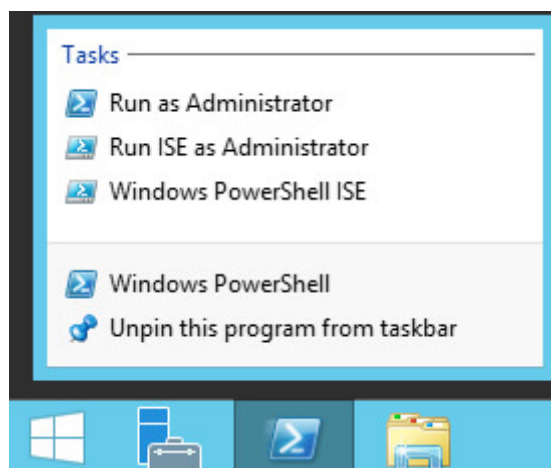
На Windows Server 2012 R2 требуется установить все доступные обновления перед установкой Exchange Server 2016.

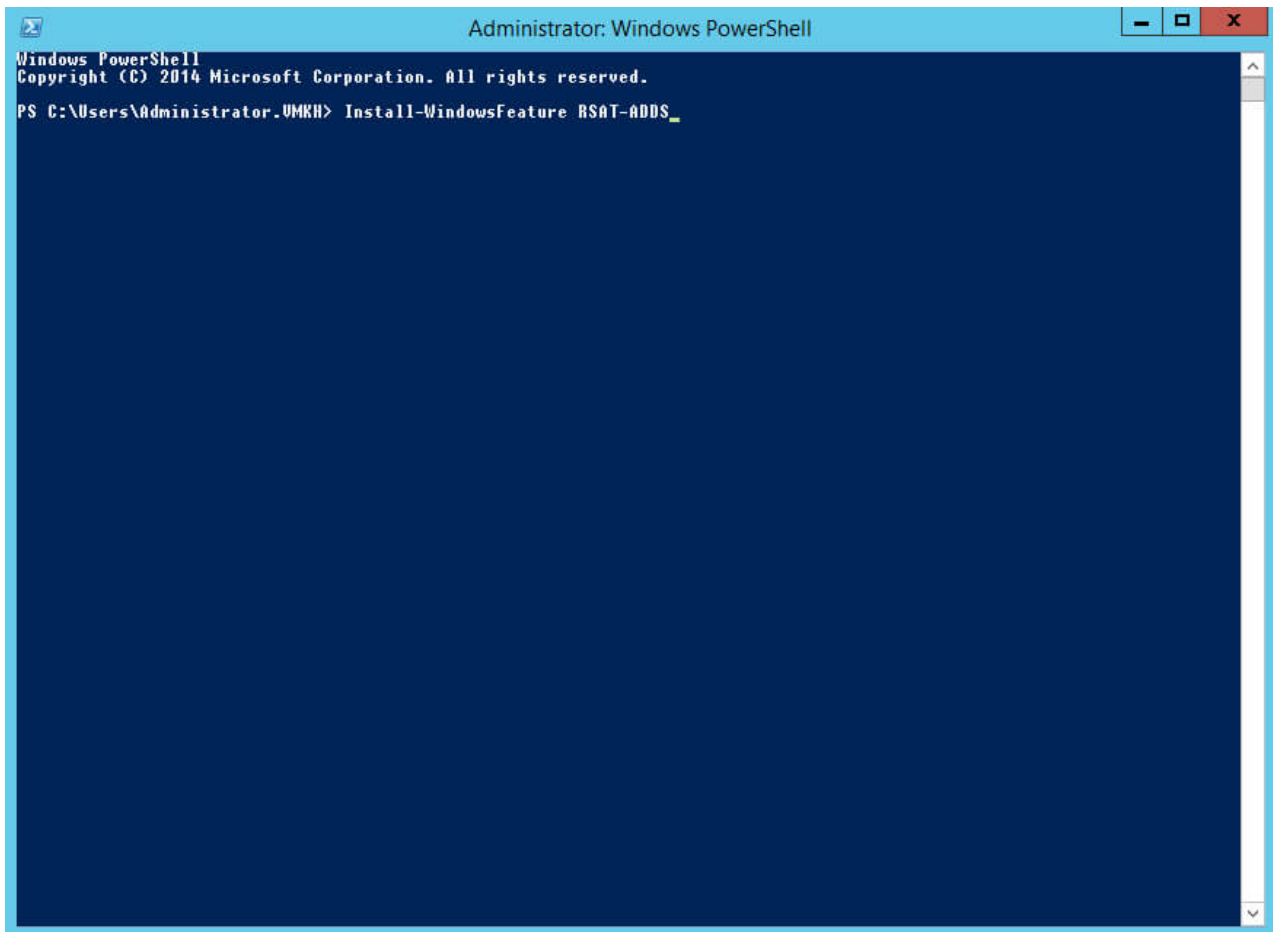
На будущем сервере Exchange заходим в систему под учетной записью, которая состоит в группах: Enterprise Admins, Schema Admins и Domain Admins.

На “Панели задач” нажимаем правой кнопкой мыши на “Windows PowerShell” и выбираем “Run as Administrator”.

Установим средства удаленного администрирования для последующей подготовки Active Directory к установке Exchange Server 2016 с помощью команды:

```
Install-WindowsFeature RSAT-ADDS
```

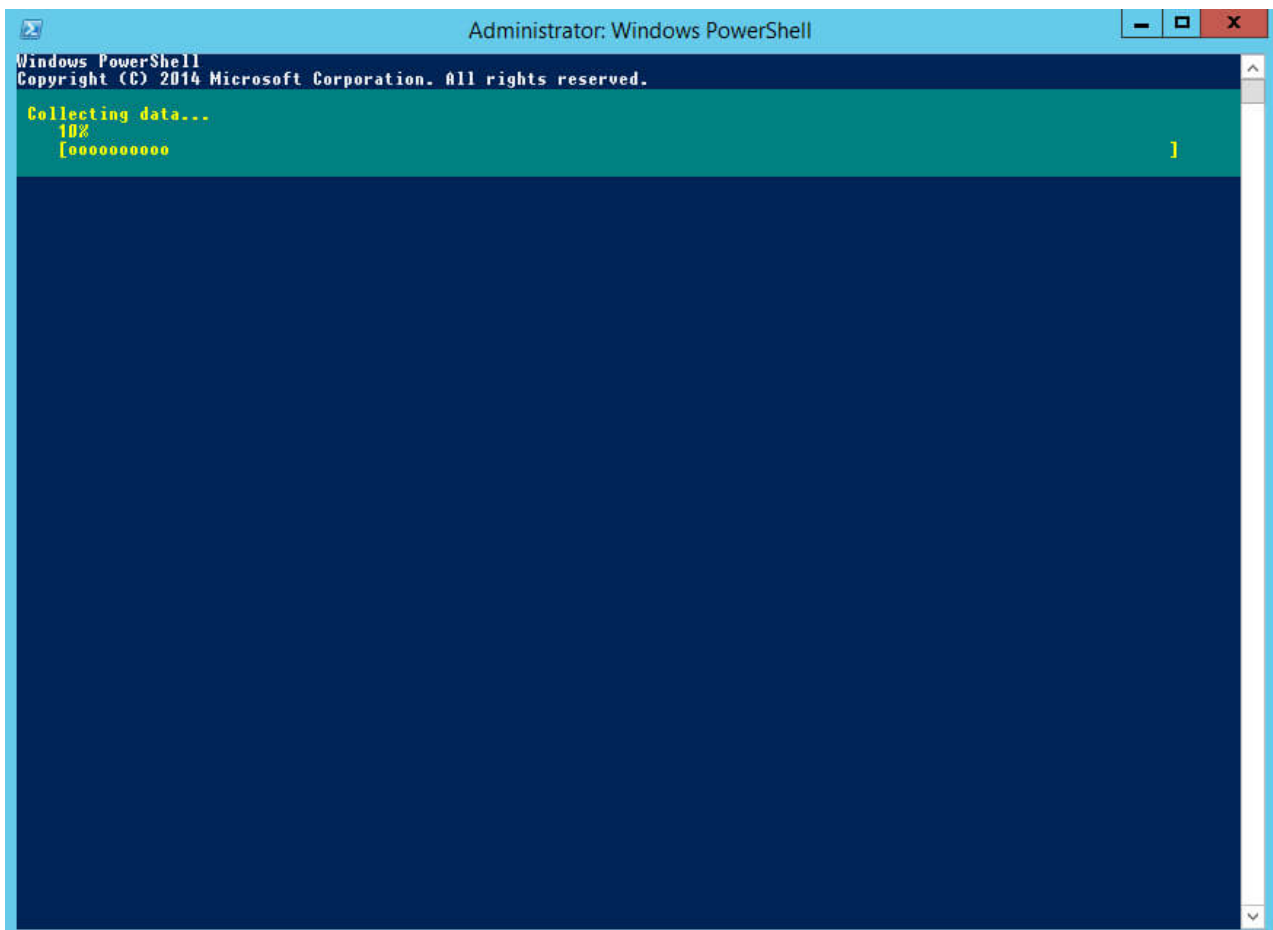




```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator\UMKH> Install-WindowsFeature RSAT-ADDS_
```

Начался процесс установки средств удаленного администрирования.



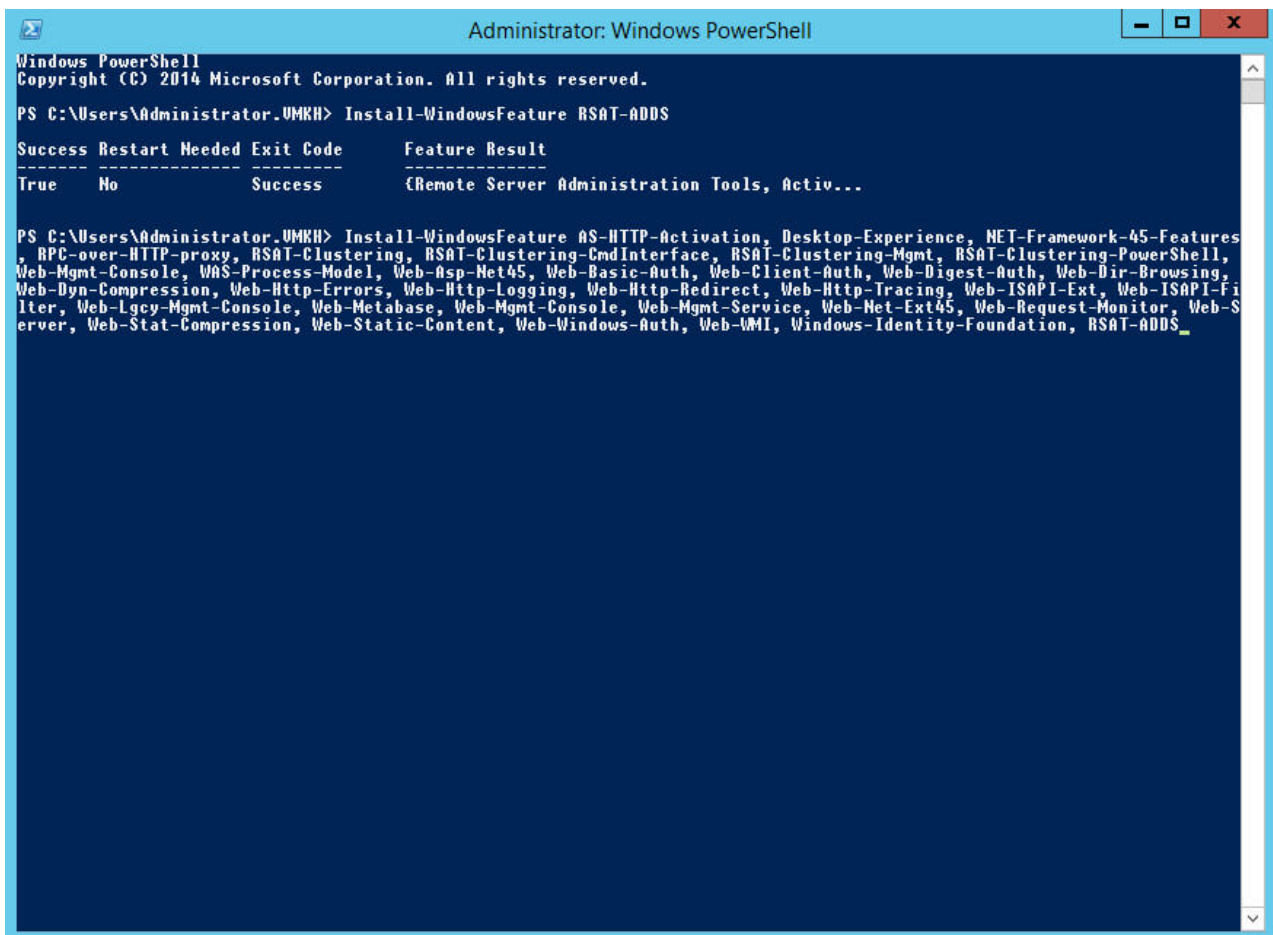
```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

Collecting data...
10%
[oooooooooooo] ]
```

Установка средств удаленного администрирования успешно завершена.

Теперь нужно установить дополнительные компоненты, необходимые для работы сервера Exchange, с помощью команды:

```
Install-WindowsFeature AS-HTTP-Activation, Server-Media-Foundation, NET-Framework-45-Features, RPC-over-HTTP-proxy, RSAT-Clustering, RSAT-Clustering-CmdInterface, RSAT-Clustering-Mgmt, RSAT-Clustering-PowerShell, WAS-Process-Model, Web-Asp-Net45, Web-Basic-Auth, Web-Client-Auth, Web-Digest-Auth, Web-Dir-Browsing, Web-Dyn-Compression, Web-Http-Errors, Web-Http-Logging, Web-Http-Redirect, Web-Http-Tracing, Web-ISAPI-Ext, Web-ISAPI-Filter, Web-Lgcy-Mgmt-Console, Web-Metabase, Web-Mgmt-Console, Web-Mgmt-Service, Web-Net-Ext45, Web-Request-Monitor, Web-Server, Web-Stat-Compression, Web-Static-Content, Web-Windows-Auth, Web-WMI, Windows-Identity-Foundation
```



The screenshot shows a Windows PowerShell window titled "Administrator: Windows PowerShell". The prompt is "PS C:\Users\Administrator\UMKH>". The command entered is "Install-WindowsFeature RSAT-ADDS". The output shows a table with columns: Success, Restart Needed, Exit Code, and Feature Result. The first row shows "True", "No", "Success", and "{Remote Server Administration Tools, Activ...". Below this, the full command for installing all required features is displayed, including AS-HTTP-Activation, Desktop-Experience, NET-Framework-45-Features, RPC-over-HTTP-proxy, RSAT-Clustering, RSAT-Clustering-CmdInterface, RSAT-Clustering-Mgmt, RSAT-Clustering-PowerShell, Web-Mgmt-Console, WAS-Process-Model, Web-Asp-Net45, Web-Basic-Auth, Web-Client-Auth, Web-Digest-Auth, Web-Dir-Browsing, Web-Dyn-Compression, Web-Http-Errors, Web-Http-Logging, Web-Http-Redirect, Web-Http-Tracing, Web-ISAPI-Ext, Web-ISAPI-Filter, Web-Lgcy-Mgmt-Console, Web-Metabase, Web-Mgmt-Console, Web-Mgmt-Service, Web-Net-Ext45, Web-Request-Monitor, Web-Server, Web-Stat-Compression, Web-Static-Content, Web-Windows-Auth, Web-WMI, Windows-Identity-Foundation, and RSAT-ADDS.

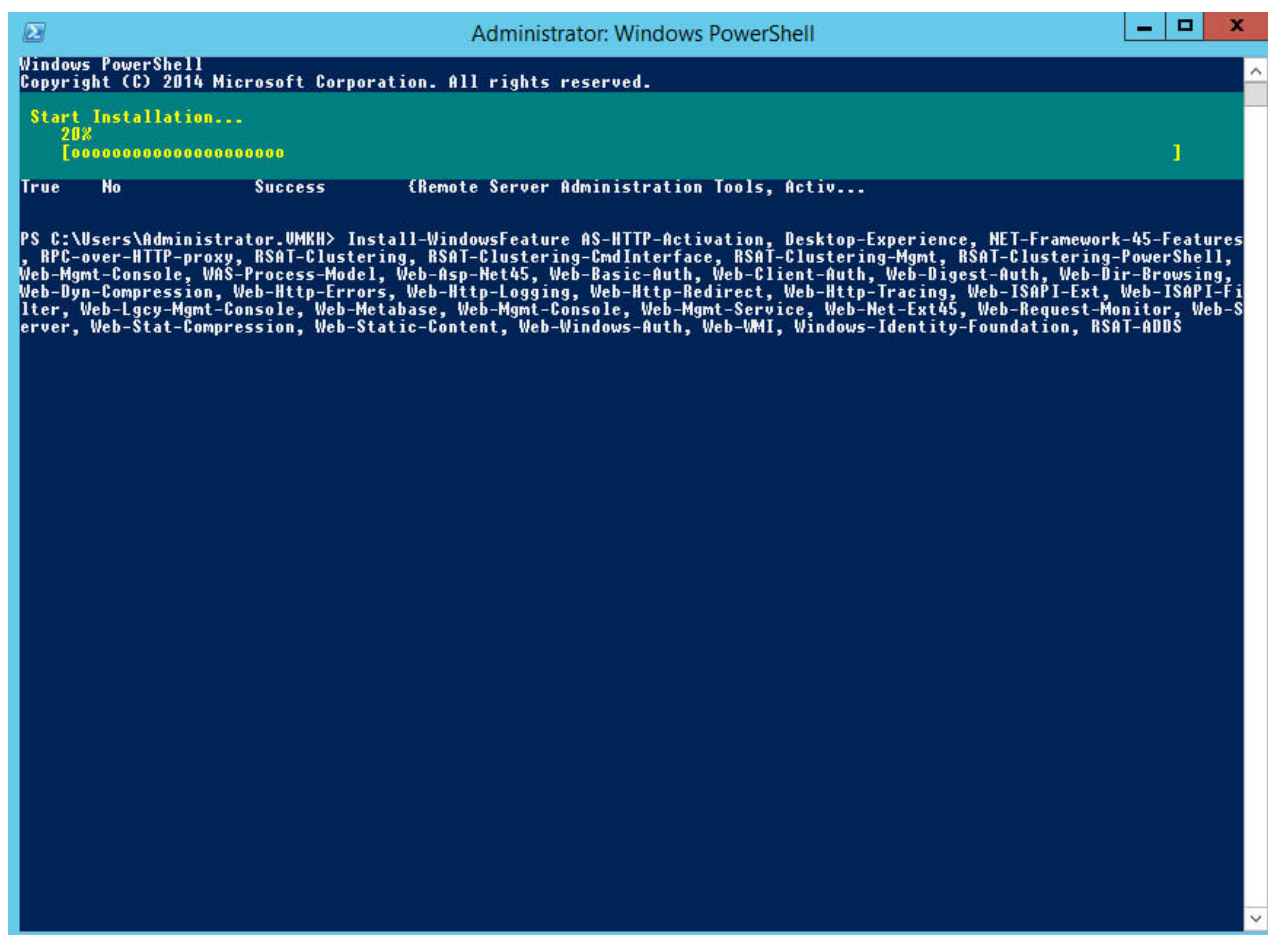
```
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator\UMKH> Install-WindowsFeature RSAT-ADDS

Success Restart Needed Exit Code      Feature Result
-----
True     No                Success      {Remote Server Administration Tools, Activ...

PS C:\Users\Administrator\UMKH> Install-WindowsFeature AS-HTTP-Activation, Desktop-Experience, NET-Framework-45-Features,
RPC-over-HTTP-proxy, RSAT-Clustering, RSAT-Clustering-CmdInterface, RSAT-Clustering-Mgmt, RSAT-Clustering-PowerShell,
Web-Mgmt-Console, WAS-Process-Model, Web-Asp-Net45, Web-Basic-Auth, Web-Client-Auth, Web-Digest-Auth, Web-Dir-Browsing,
Web-Dyn-Compression, Web-Http-Errors, Web-Http-Logging, Web-Http-Redirect, Web-Http-Tracing, Web-ISAPI-Ext, Web-ISAPI-Fi
lter, Web-Lgcy-Mgmt-Console, Web-Metabase, Web-Mgmt-Console, Web-Mgmt-Service, Web-Net-Ext45, Web-Request-Monitor, Web-S
erver, Web-Stat-Compression, Web-Static-Content, Web-Windows-Auth, Web-WMI, Windows-Identity-Foundation, RSAT-ADDS_
```

Начался процесс установки дополнительных компонентов, необходимых для работы сервера Exchange.



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

Start Installation...
20%
[ooooooooooooooooooooo]

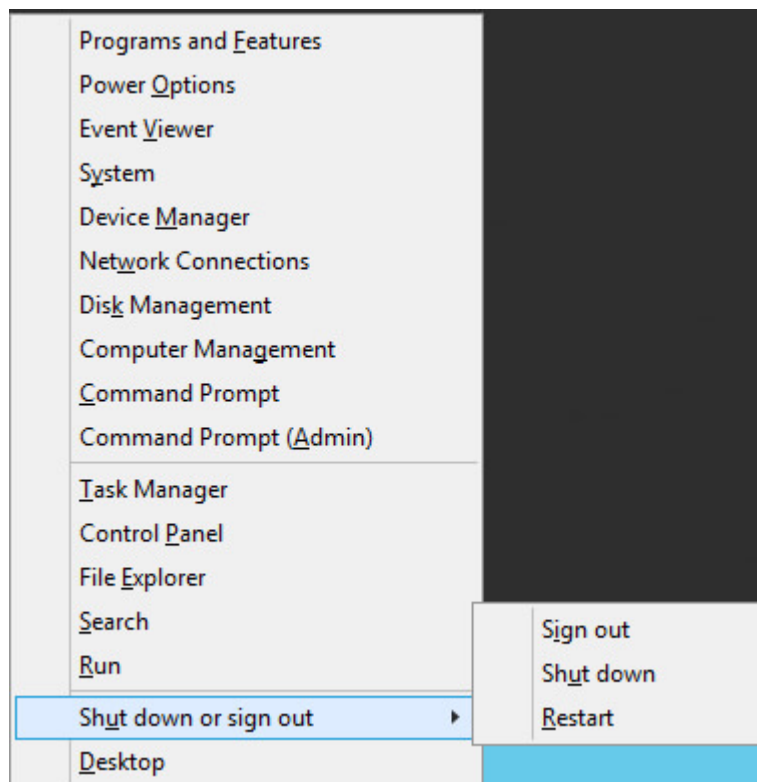
True      No      Success      {Remote Server Administration Tools, Activ...

PS C:\Users\Administrator\VMKH> Install-WindowsFeature AS-HTTP-Activation, Desktop-Experience, NET-Framework-45-Features,
RPC-over-HTTP-proxy, RSAT-Clustering, RSAT-Clustering-CmdInterface, RSAT-Clustering-Mgmt, RSAT-Clustering-PowerShell,
Web-Mgmt-Console, WAS-Process-Model, Web-Asp-Net45, Web-Basic-Auth, Web-Client-Auth, Web-Digest-Auth, Web-Dir-Browsing,
Web-Dyn-Compression, Web-Http-Errors, Web-Http-Logging, Web-Http-Redirect, Web-Http-Tracing, Web-ISAPI-Ext, Web-ISAPI-Fi
lter, Web-Lgcy-Mgmt-Console, Web-Metabase, Web-Mgmt-Console, Web-Mgmt-Service, Web-Net-Ext45, Web-Request-Monitor, Web-S
erver, Web-Stat-Compression, Web-Static-Content, Web-Windows-Auth, Web-WMI, Windows-Identity-Foundation, RSAT-ADDS
```

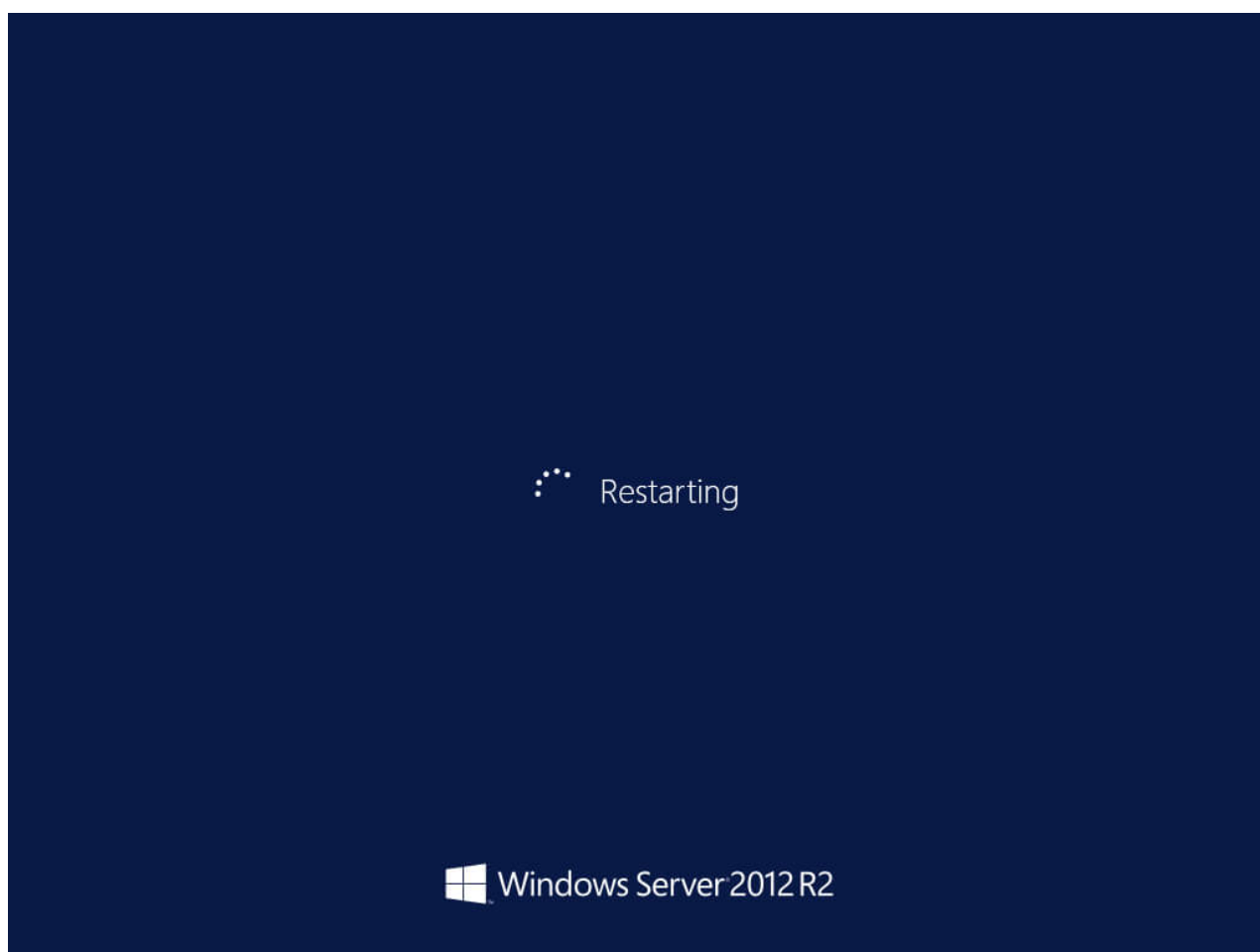
Установка дополнительных компонентов, необходимых для работы сервера Exchange, успешно завершена.

Теперь нужно перезагрузить сервер.

На клавиатуре нажимаем сочетание клавиш “Win” и “x”, в открывшемся меню выбираем “Shut down or sign out”, затем “Restart”.



Сервер начнет перезагружаться.



На будущем сервере Exchange заходим в систему под учетной записью, которая состоит в группах: Enterprise Admins, Schema Admins и Domain Admins.

Перед подготовкой Active Directory и установкой Exchange Server 2019 необходимо установить дополнительное программное обеспечение на будущий сервер Exchange:


- Unified Communications Managed API 4.0
- Visual C++ Redistributable Package for Visual Studio 2012
- Visual C++ Redistributable Package for Visual Studio 2013

Установим Unified Communications Managed API 4.0

Переходим по [ссылке](#) и нажимаем на кнопку “Download”.

### Unified Communications Managed API 4.0 Runtime

*Important!* Selecting a language below will dynamically change the complete page content to that language.

Select Language:  

[Download](#)

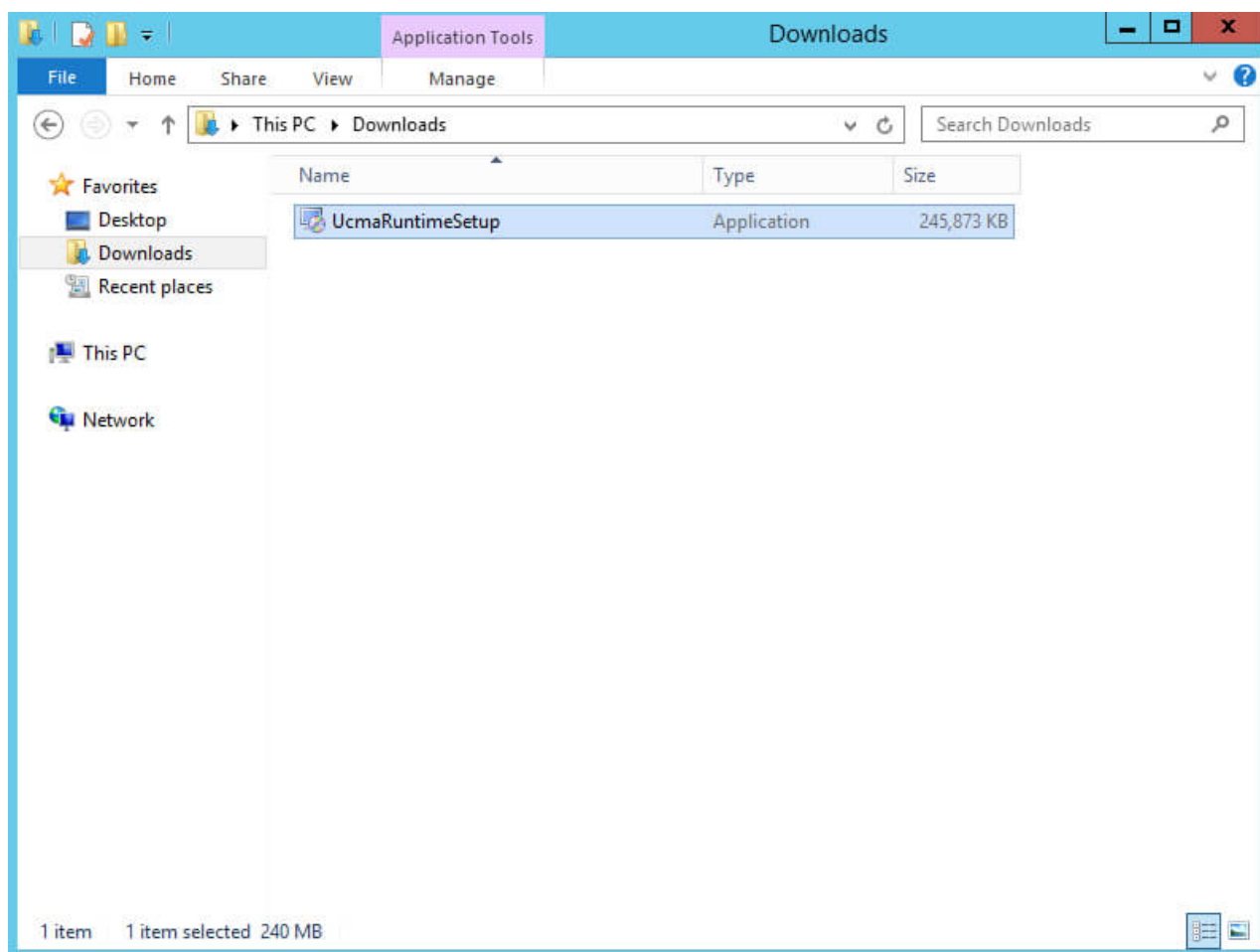
Unified Communications Managed API (UCMA) 4.0 is a managed-code platform that developers use to build applications that provide access to and control over Microsoft Enhanced Presence information, instant messaging, telephone and video calls, and audio/video conferencing.

[+ Details](#)

[+ System Requirements](#)

[+ Install Instructions](#)

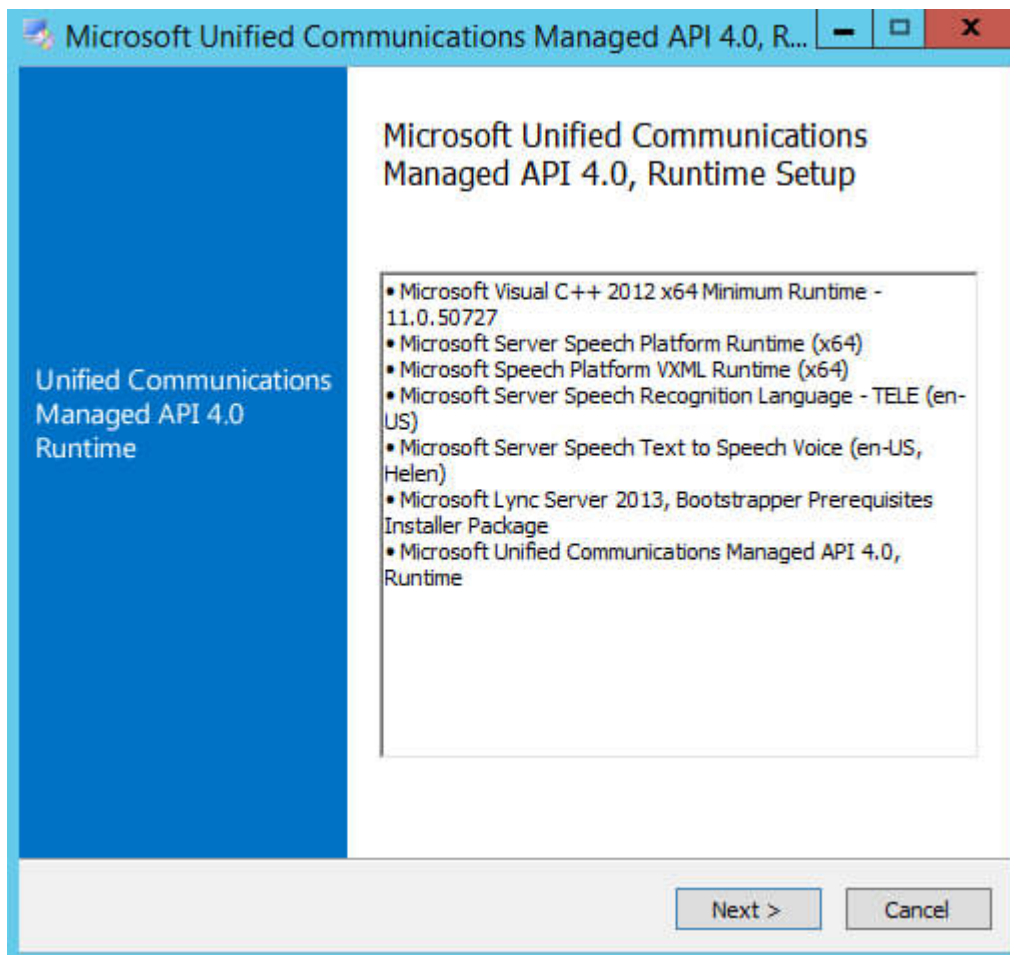
Запускаем загруженный файл установщика Unified Communications Managed API 4.0.



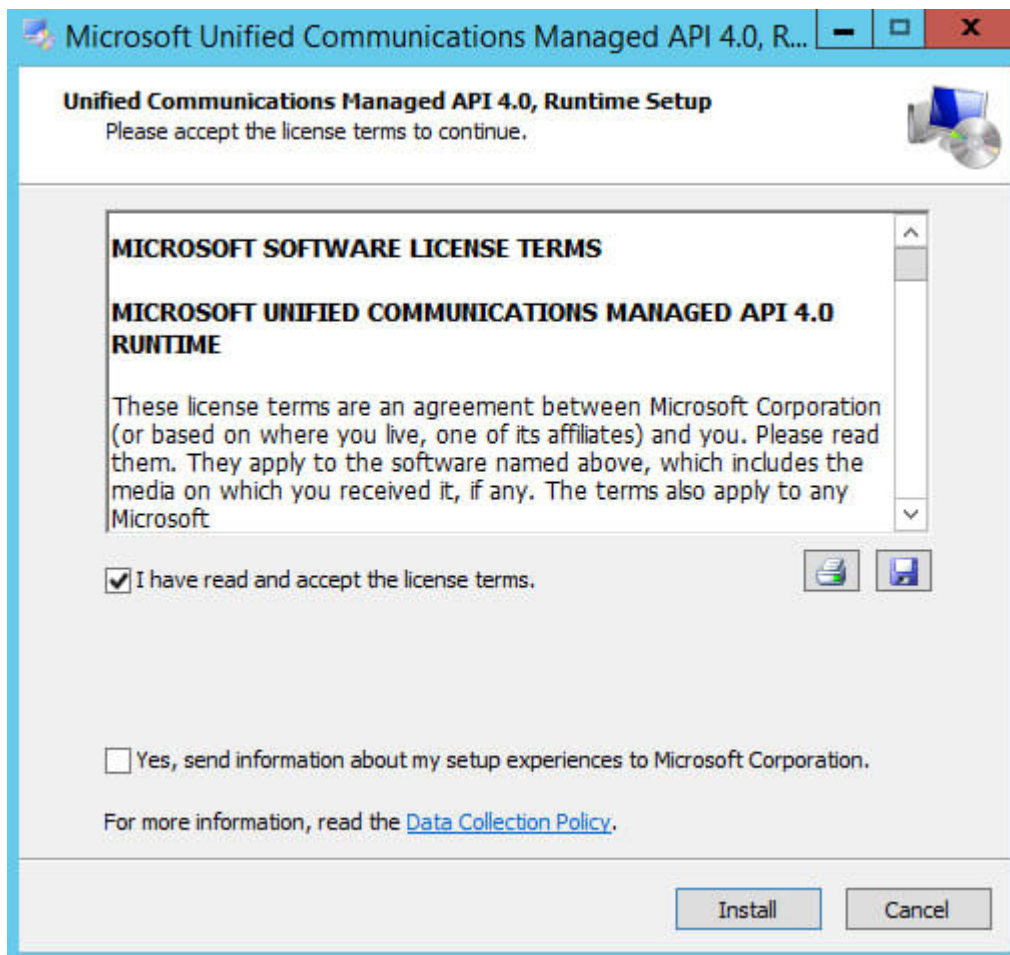
Откроется “Мастер установки Unified Communications Managed API 4.0”.

Нажимаем на кнопку “Next”.

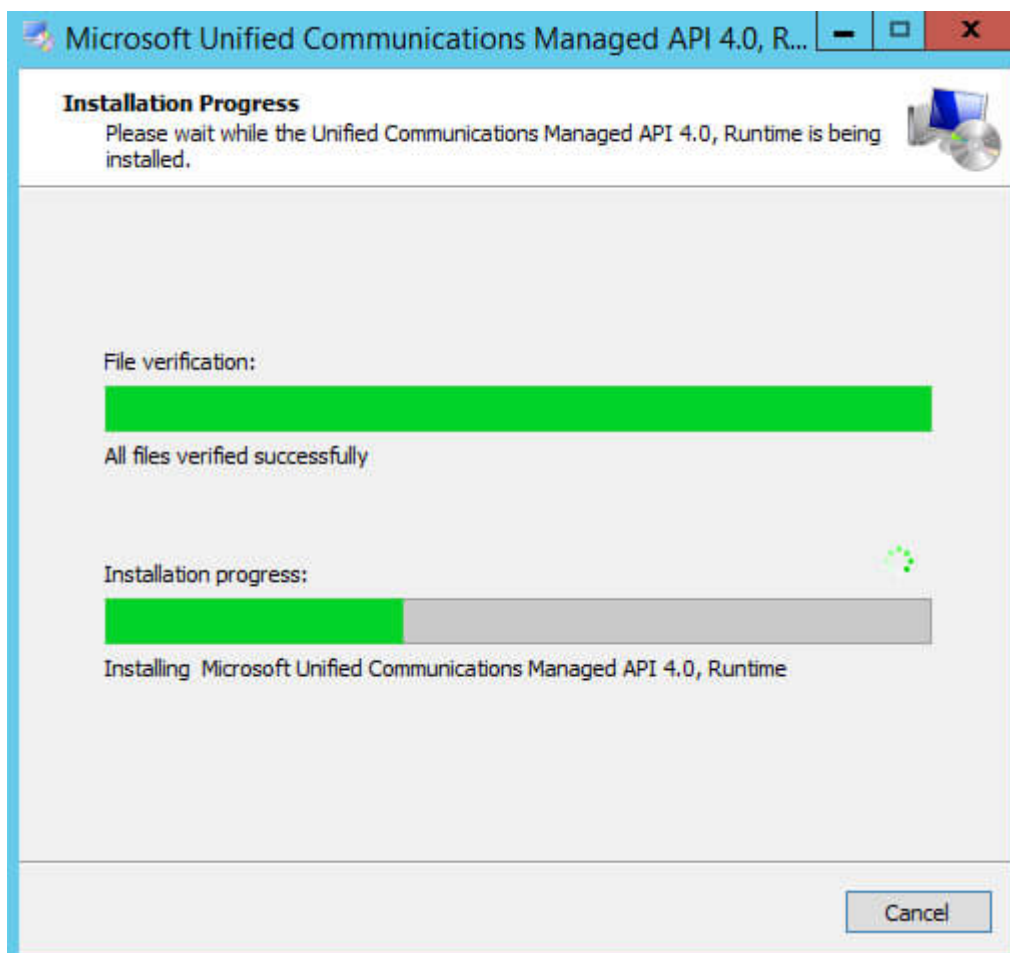




Далее необходимо принять условия лицензии, если вы с ними согласны, и нажать на кнопку “Next”.

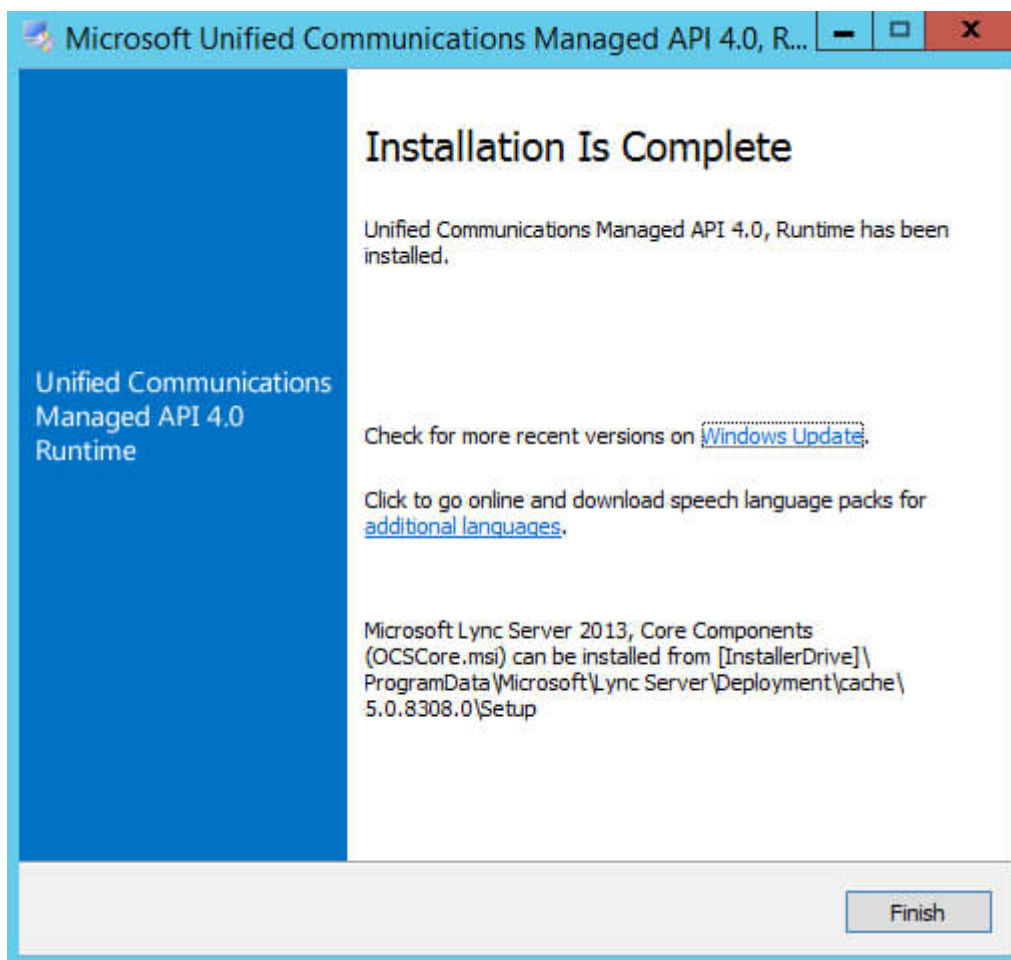


Начался процесс установки “Unified Communications Managed API 4.0”.



Установка “Unified Communications Managed API 4.0” завершена.

Нажимаем на кнопку “Finish”.



Теперь установим Visual C++ Redistributable Package for Visual Studio 2012.

Переходим по [ссылке](#) и нажимаем на кнопку “Download”.

## Visual C++ Redistributable for Visual Studio 2012 Update 4

*Important!* Selecting a language below will dynamically change the complete page content to that language.

Select Language:

English ▼

Download

The Visual C++ Redistributable Packages install runtime components that are required to run C++ applications built with Visual Studio 2012.

⊕ Details

⊕ System Requirements

⊕ Install Instructions

⊕ Additional Information

⊕ Related Resources

Выбираем “VSU\_4\vc redistrib\_x64.exe” и нажимаем на кнопку “Next”.

Choose the download you want

<input type="checkbox"/> File Name	Size
<input checked="" type="checkbox"/> VSU_4\vc redistrib_x64.exe	6.9 MB
<input type="checkbox"/> VSU_4\vc redistrib_x86.exe	6.3 MB
<input type="checkbox"/> VSU4\vc redistrib_arm.exe	1.4 MB

Download Summary:  
KBMBGB

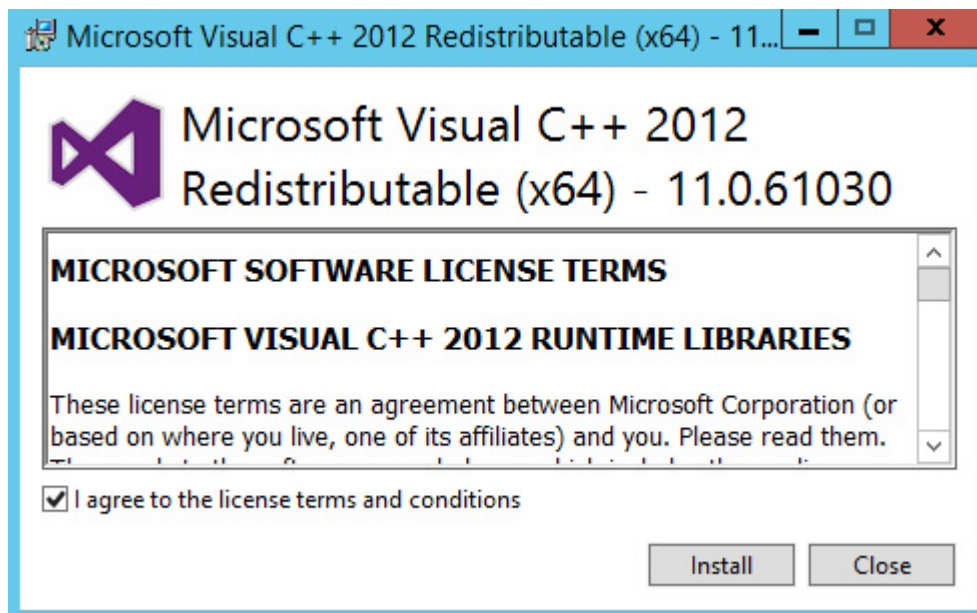
1. VSU\_4\vc redistrib\_x64.exe

Total Size: 6.9 MB

Next

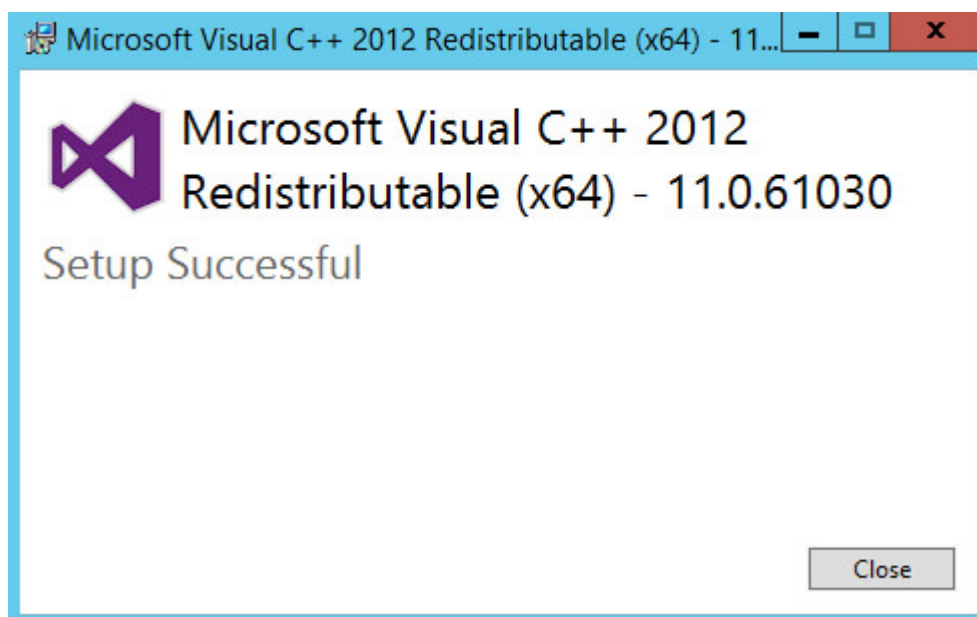
Запускаем загруженный файл установщика Visual C++ Redistributable Package for Visual Studio 2012.

Далее необходимо принять условия лицензии, если вы с ними согласны, и нажать на кнопку “Install”.



Установка Visual C++ Redistributable Package for Visual Studio 2012 успешно завершена.

Нажимаем на кнопку “Close”.



Теперь установим Visual C++ Redistributable Package for Visual Studio 2013.

Переходим по [ссылке](#) и нажимаем на кнопку “Download”.

## Visual C++ Redistributable Packages for Visual Studio 2013

*Important!* Selecting a language below will dynamically change the complete page content to that language.

Select Language:

English

Download

The Visual C++ Redistributable Packages install run-time components that are required to run C++ applications that are built by using Visual Studio 2013. For an updated version of these redistributable packages, see KB 3138367.

+ Details

+ System Requirements

+ Install Instructions

+ Additional Information

+ Related Resources

Выбираем “vcredist\_x64.exe” и нажимаем на кнопку “Next”.

Choose the download you want

<input type="checkbox"/> File Name	Size
<input type="checkbox"/> vcredist_arm.exe	1.4 MB
<input checked="" type="checkbox"/> vcredist_x64.exe	6.9 MB
<input type="checkbox"/> vcredist_x86.exe	6.2 MB

Download Summary:  
KBMBGB

1. vcredist\_x64.exe

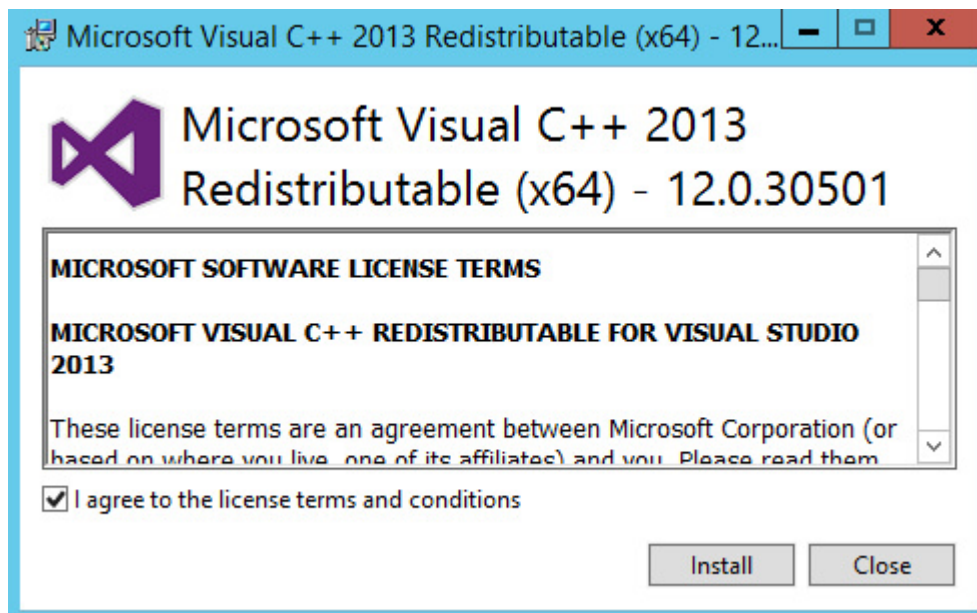
Total Size: 6.9 MB

Next

Запускаем загруженный файл установщика Visual C++ Redistributable Package for Visual Studio 2013.

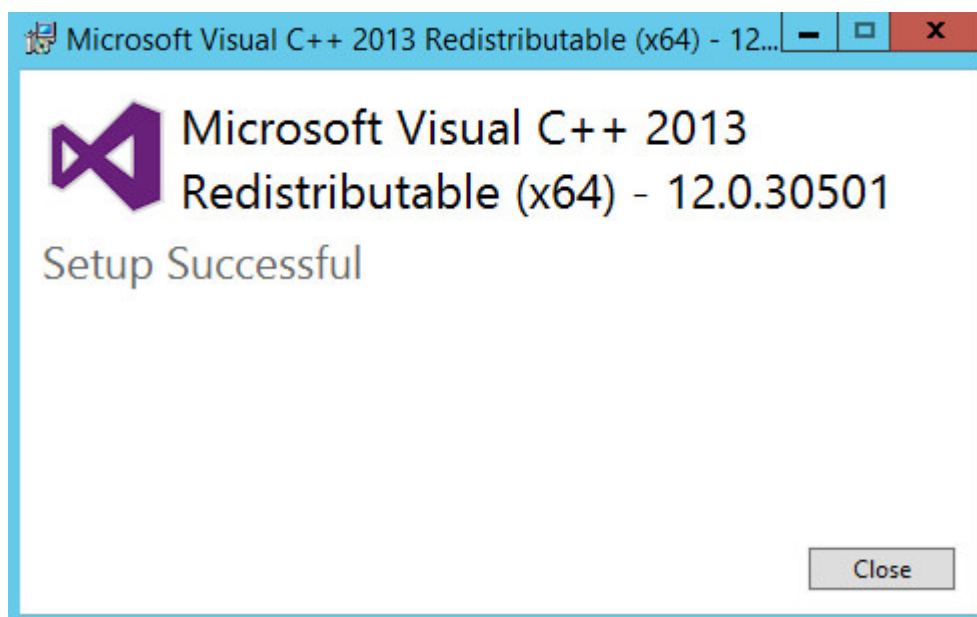
Далее необходимо принять условия лицензии, если вы с ними согласны, и нажать на кнопку “Install”.





Установка Visual C++ Redistributable Package for Visual Studio 2013 успешно завершена.

Нажимаем на кнопку “Close”.

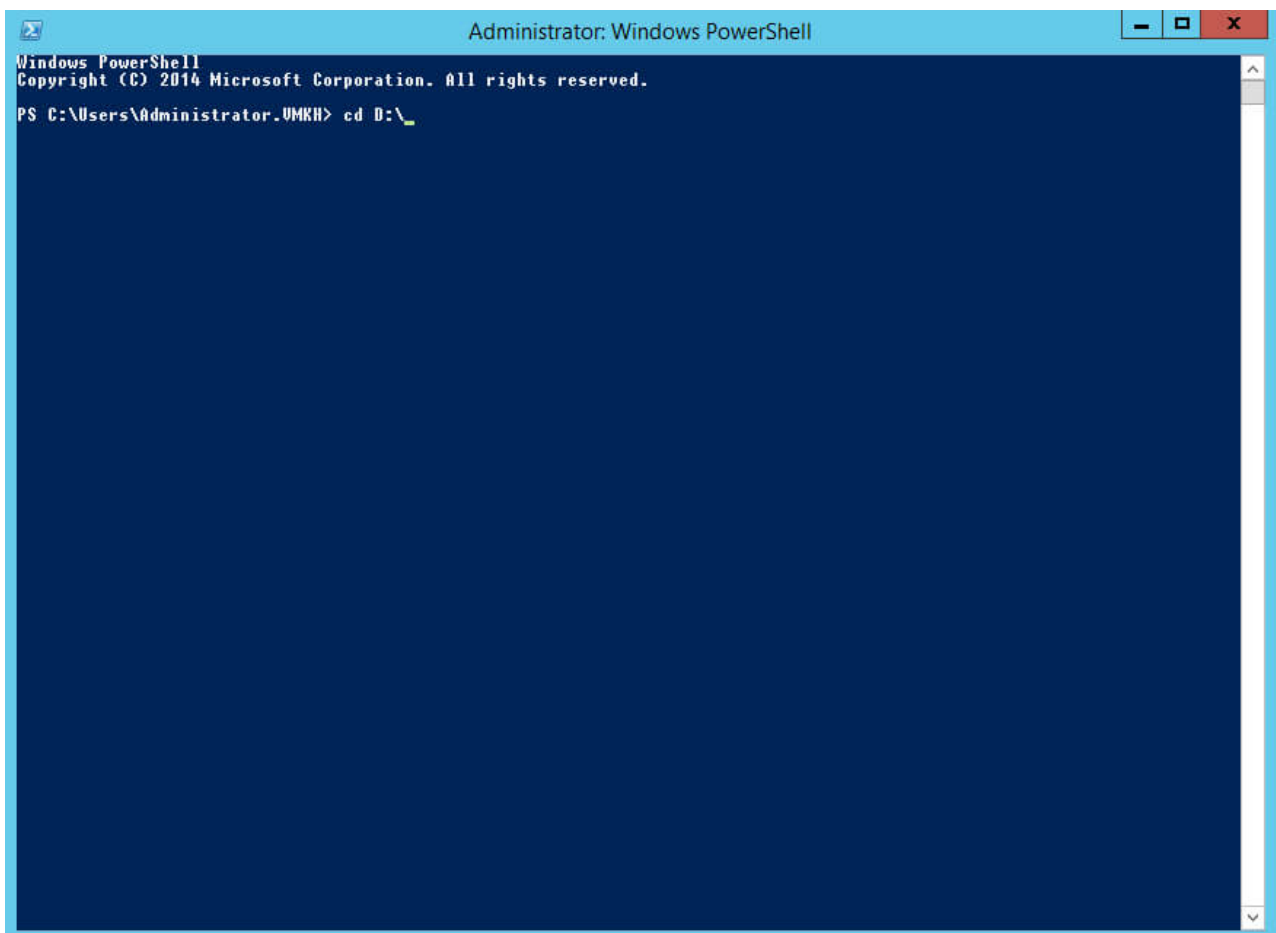
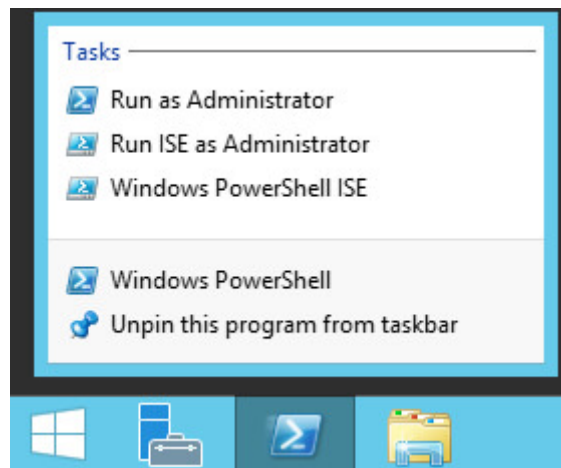


Теперь необходимо подготовить Active Directory для работы с Exchange Server.

Нажимаем “Start”, указываем в строке поиска “cmd”, затем нажимаем правой кнопкой мыши на “Command Prompt” и выбираем “Run as administrator”.

Переходим на диск “D” (виртуальный привод), где находятся установочные файлы Exchange Server 2016, с помощью команды:

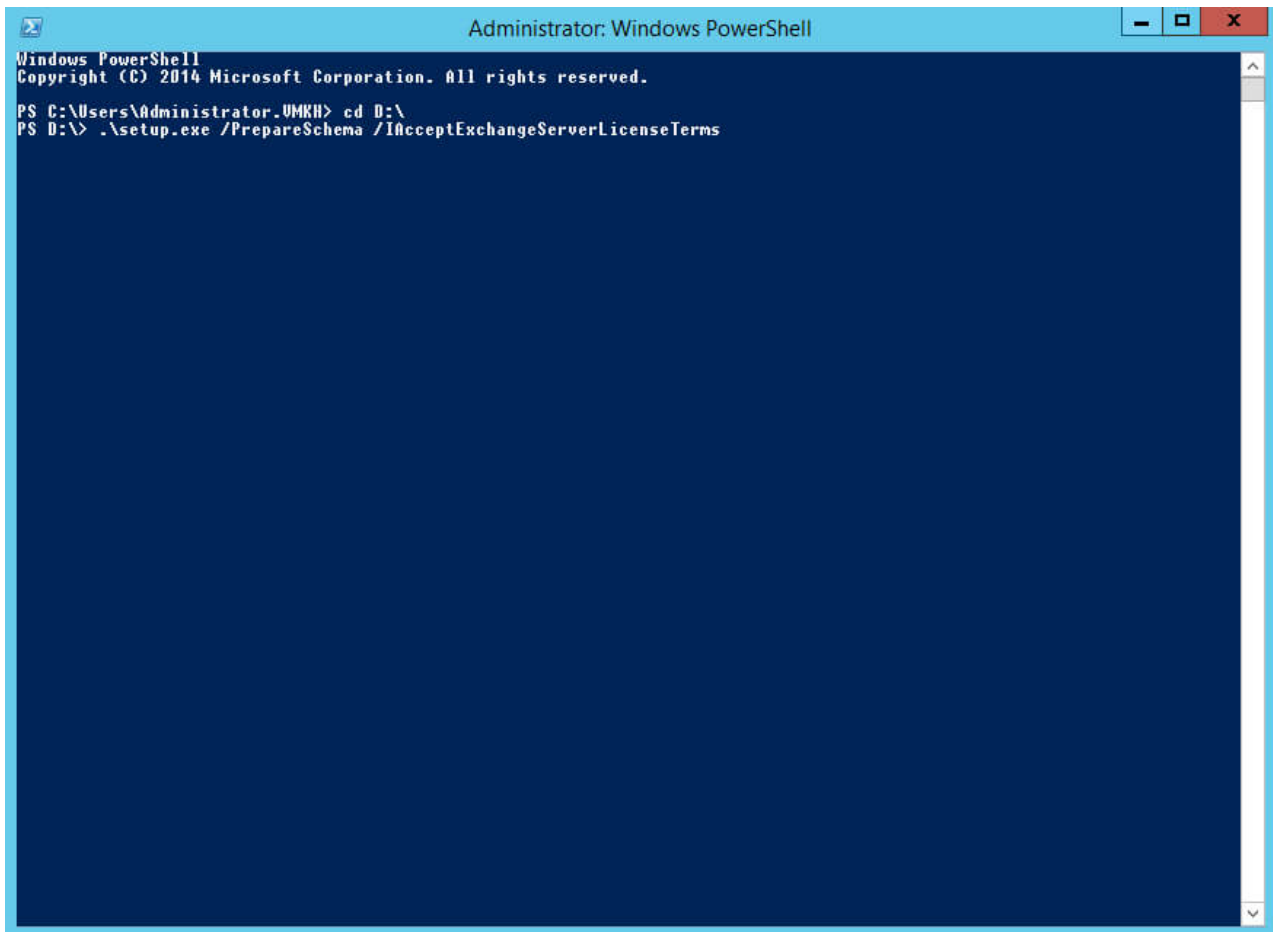
```
cd D:\
```



Подготовим схему Active Directory для работы с Exchange Server с помощью команды:

```
E:\Setup.exe /IAcceptExchangeServerLicenseTerms_DiagnosticDataON /PrepareSchema
```

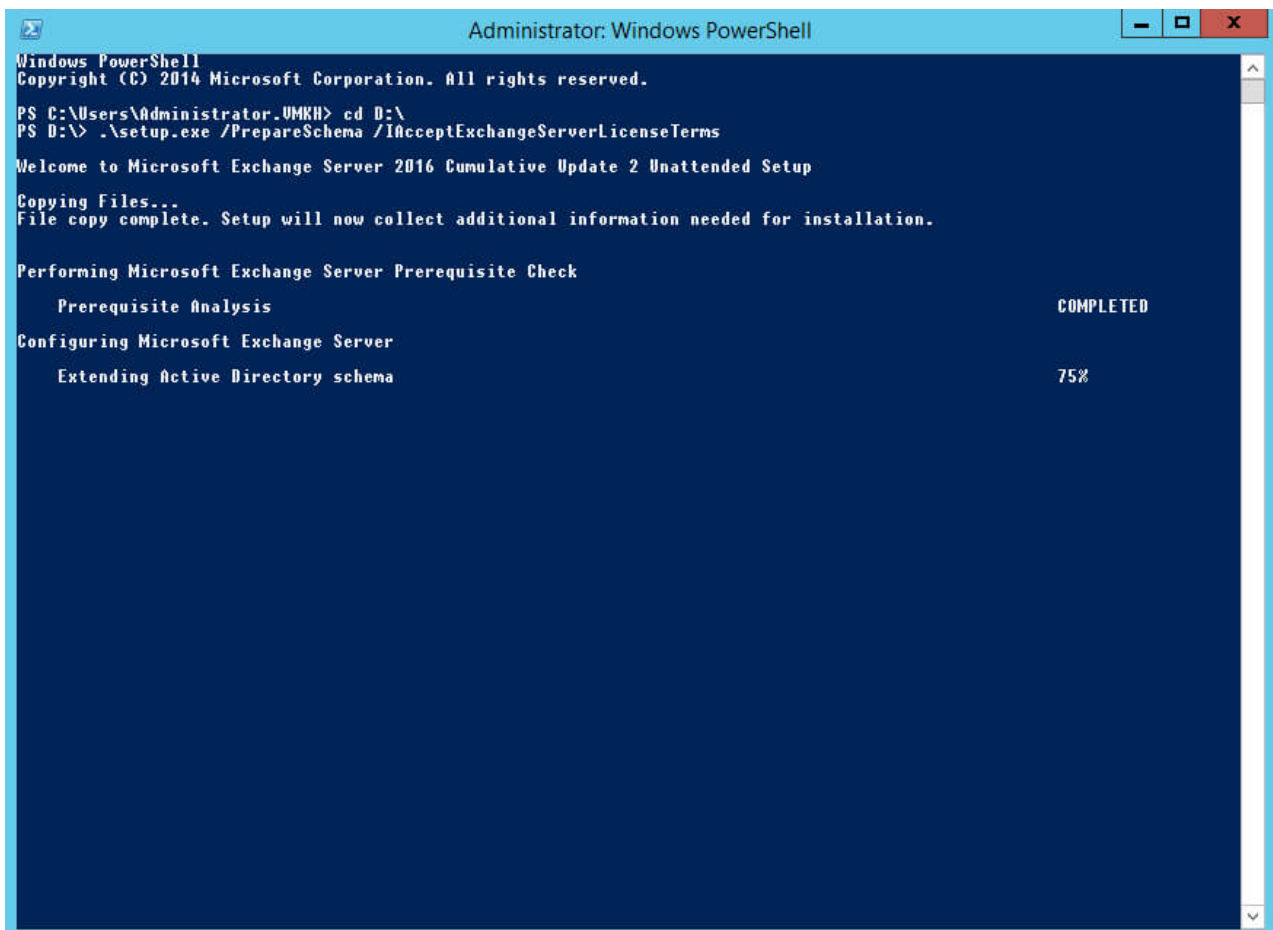




```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator\0MKH> cd D:\
PS D:\> .\setup.exe /PrepareSchema /IacceptExchangeServerLicenseTerms
```

Начался процесс подготовки схемы Active Directory.



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator\0MKH> cd D:\
PS D:\> .\setup.exe /PrepareSchema /IacceptExchangeServerLicenseTerms

Welcome to Microsoft Exchange Server 2016 Cumulative Update 2 Unattended Setup

Copying Files...
File copy complete. Setup will now collect additional information needed for installation.

Performing Microsoft Exchange Server Prerequisite Check
    Prerequisite Analysis COMPLETED
Configuring Microsoft Exchange Server
    Extending Active Directory schema 75%
```

Процесс подготовки схемы Active Directory успешно завершен.

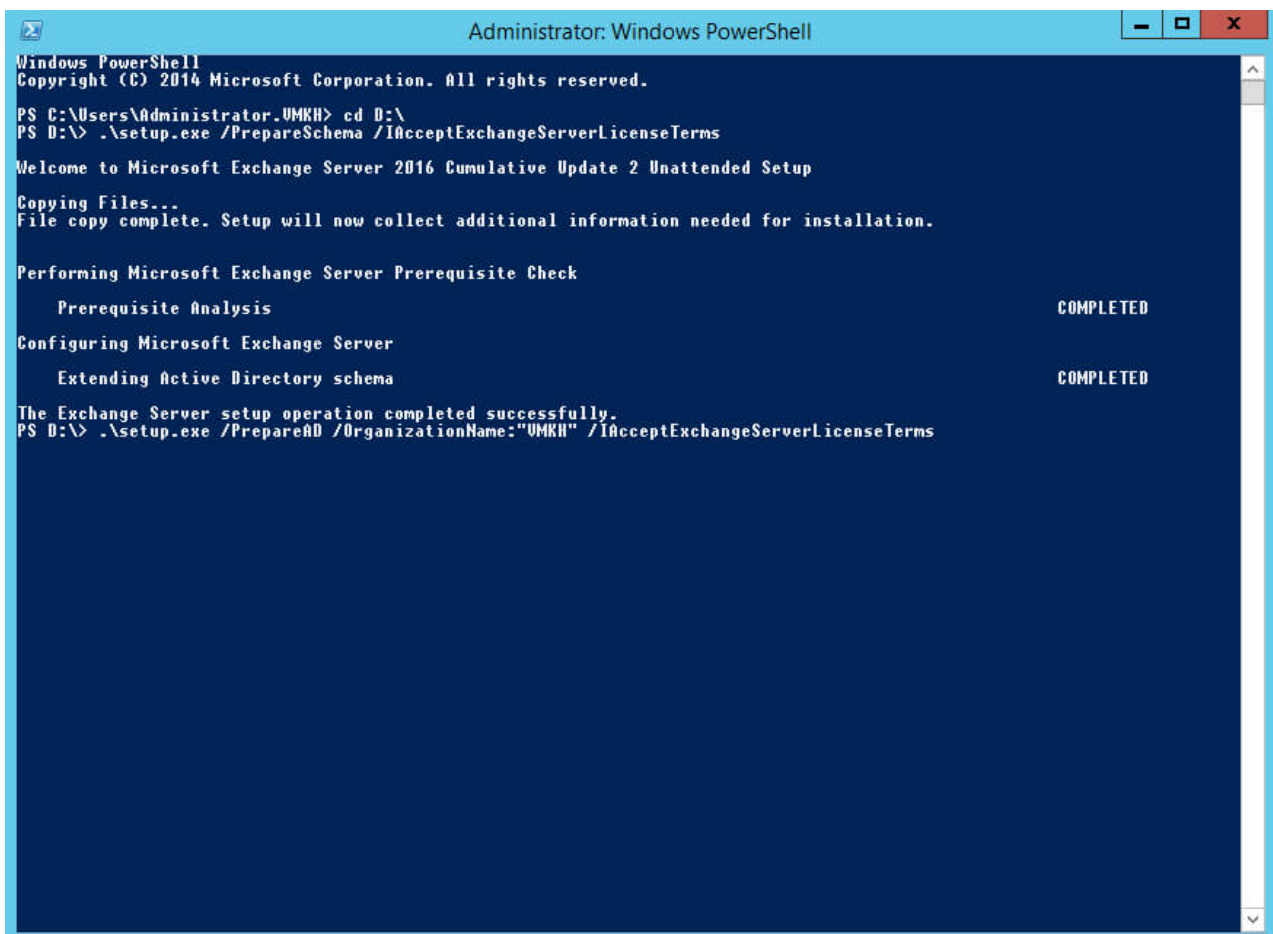
Теперь необходимо подготовить контейнеры, объекты и другие компоненты Active Directory, а также создать организацию Exchange.

Обратите внимание, после "OrganizationName" необходимо указать название вашей организации на английском языке.

Подготовим контейнеры, объекты и другие компоненты Active Directory, а также создадим организацию Exchange, с помощью команды:

```
E:\Setup.exe /IAcceptExchangeServerLicenseTerms_DiagnosticDataON /PrepareAD  
/OrganizationName:"VMKH"
```

Обратите внимание, в данном руководстве используется название организации "VMKH".



```
Administrator: Windows PowerShell  
Windows PowerShell  
Copyright (C) 2014 Microsoft Corporation. All rights reserved.  
PS C:\Users\Administrator\VMKH> cd D:\  
PS D:\> .\setup.exe /PrepareSchema /IAcceptExchangeServerLicenseTerms  
Welcome to Microsoft Exchange Server 2016 Cumulative Update 2 Unattended Setup  
Copying Files...  
File copy complete. Setup will now collect additional information needed for installation.  
  
Performing Microsoft Exchange Server Prerequisite Check  
    Prerequisite Analysis COMPLETED  
Configuring Microsoft Exchange Server  
    Extending Active Directory schema COMPLETED  
The Exchange Server setup operation completed successfully.  
PS D:\> .\setup.exe /PrepareAD /OrganizationName:"VMKH" /IAcceptExchangeServerLicenseTerms
```

Начался процесс подготовки контейнеров, объектов и других компонентов Active Directory.

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator\UMKH> cd D:\
PS D:\> .\setup.exe /PrepareSchema /IAcceptExchangeServerLicenseTerms

Welcome to Microsoft Exchange Server 2016 Cumulative Update 2 Unattended Setup

Copying Files...
File copy complete. Setup will now collect additional information needed for installation.

Performing Microsoft Exchange Server Prerequisite Check

    Prerequisite Analysis                                COMPLETED

Configuring Microsoft Exchange Server

    Extending Active Directory schema                    COMPLETED

The Exchange Server setup operation completed successfully.
PS D:\> .\setup.exe /PrepareAD /OrganizationName:"UMKH" /IAcceptExchangeServerLicenseTerms

Welcome to Microsoft Exchange Server 2016 Cumulative Update 2 Unattended Setup

Copying Files...
File copy complete. Setup will now collect additional information needed for installation.

Performing Microsoft Exchange Server Prerequisite Check

    Prerequisite Analysis                                100%

Setup will prepare the organization for Exchange Server 2016 by using 'Setup /PrepareAD'. No Exchange Server 2013 roles
have been detected in this topology. After this operation, you will not be able to install any Exchange Server 2013
roles.
For more information, visit: http://technet.microsoft.com/library\(EXCHG.150\)/ms.exch.setupreadiness.NoE15ServerWarning.aspx

Setup will prepare the organization for Exchange Server 2016 by using 'Setup /PrepareAD'. No Exchange Server 2010 roles
have been detected in this topology. After this operation, you will not be able to install any Exchange Server 2010
roles.
For more information, visit: http://technet.microsoft.com/library\(EXCHG.150\)/ms.exch.setupreadiness.NoE14ServerWarning.aspx

Configuring Microsoft Exchange Server

    Organization Preparation                             30%
```

Процесс подготовки контейнеров, объектов и других компонентов Active Directory успешно завершен.

Теперь необходимо подготовить домен для установки Exchange Server.

Подготовим домен для установки Exchange Server с помощью команды:

```
E:\Setup.exe /IAcceptExchangeServerLicenseTerms_DiagnosticDataON
/PrepareDomain:vmkh.org
```

Обратите внимание, в данном руководстве используется домен "vmkh.org".

```
Administrator: Windows PowerShell

PS C:\Users\Administrator\UMKH> cd D:\
PS D:\> .\setup.exe /PrepareSchema /IAcceptExchangeServerLicenseTerms

Welcome to Microsoft Exchange Server 2016 Cumulative Update 2 Unattended Setup

Copying Files...
File copy complete. Setup will now collect additional information needed for installation.

Performing Microsoft Exchange Server Prerequisite Check
    Prerequisite Analysis COMPLETED

Configuring Microsoft Exchange Server
    Extending Active Directory schema COMPLETED

The Exchange Server setup operation completed successfully.
PS D:\> .\setup.exe /PrepareAD /OrganizationName:"UMKH" /IAcceptExchangeServerLicenseTerms

Welcome to Microsoft Exchange Server 2016 Cumulative Update 2 Unattended Setup

Copying Files...
File copy complete. Setup will now collect additional information needed for installation.

Performing Microsoft Exchange Server Prerequisite Check
    Prerequisite Analysis 100%

Setup will prepare the organization for Exchange Server 2016 by using 'Setup /PrepareAD'. No Exchange Server 2013 roles
have been detected in this topology. After this operation, you will not be able to install any Exchange Server 2013
roles.
For more information, visit: http://technet.microsoft.com/library\(EXCHG.150\)/ms.exch.setupreadiness.NoE15ServerWarning.aspx

Setup will prepare the organization for Exchange Server 2016 by using 'Setup /PrepareAD'. No Exchange Server 2010 roles
have been detected in this topology. After this operation, you will not be able to install any Exchange Server 2010
roles.
For more information, visit: http://technet.microsoft.com/library\(EXCHG.150\)/ms.exch.setupreadiness.NoE14ServerWarning.aspx

Configuring Microsoft Exchange Server
    Organization Preparation COMPLETED

The Exchange Server setup operation completed successfully.
PS D:\> .\setup.exe /PrepareDomain:vmkh.org /IAcceptExchangeServerLicenseTerms
```

Процесс подготовки домена успешно завершен.

```
Administrator: Windows PowerShell

The Exchange Server setup operation completed successfully.
PS D:\> .\setup.exe /PrepareAD /OrganizationName:"UMKH" /IAcceptExchangeServerLicenseTerms

Welcome to Microsoft Exchange Server 2016 Cumulative Update 2 Unattended Setup

Copying Files...
File copy complete. Setup will now collect additional information needed for installation.

Performing Microsoft Exchange Server Prerequisite Check
    Prerequisite Analysis 100%

Setup will prepare the organization for Exchange Server 2016 by using 'Setup /PrepareAD'. No Exchange Server 2013 roles
have been detected in this topology. After this operation, you will not be able to install any Exchange Server 2013
roles.
For more information, visit: http://technet.microsoft.com/library\(EXCHG.150\)/ms.exch.setupreadiness.NoE15ServerWarning.aspx

Setup will prepare the organization for Exchange Server 2016 by using 'Setup /PrepareAD'. No Exchange Server 2010 roles
have been detected in this topology. After this operation, you will not be able to install any Exchange Server 2010
roles.
For more information, visit: http://technet.microsoft.com/library\(EXCHG.150\)/ms.exch.setupreadiness.NoE14ServerWarning.aspx

Configuring Microsoft Exchange Server
    Organization Preparation COMPLETED

The Exchange Server setup operation completed successfully.
PS D:\> .\setup.exe /PrepareDomain:vmkh.org /IAcceptExchangeServerLicenseTerms

Welcome to Microsoft Exchange Server 2016 Cumulative Update 2 Unattended Setup

Copying Files...
File copy complete. Setup will now collect additional information needed for installation.

Performing Microsoft Exchange Server Prerequisite Check
    Prerequisite Analysis COMPLETED

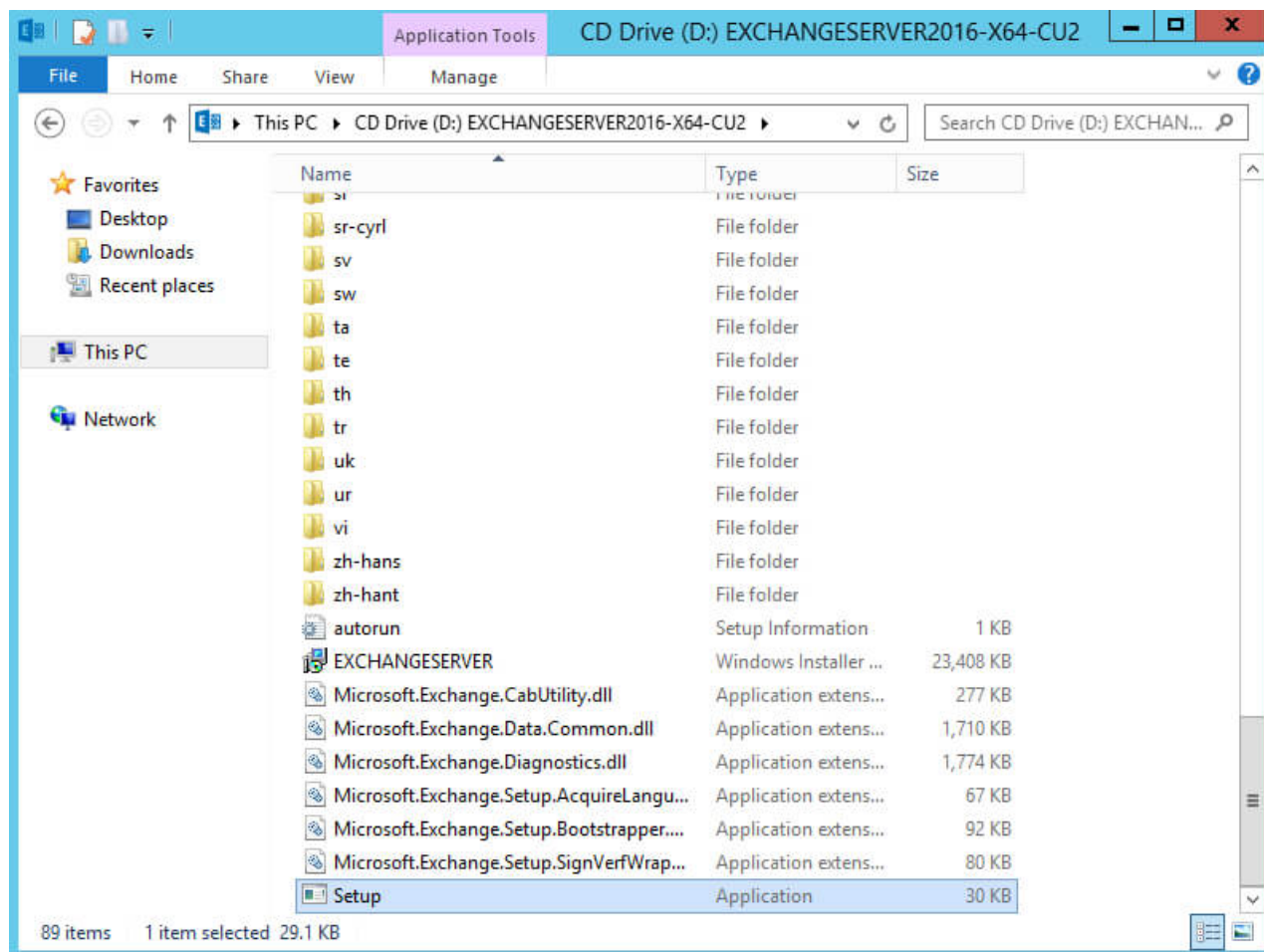
Configuring Microsoft Exchange Server
    Prepare Domain Progress COMPLETED

The Exchange Server setup operation completed successfully.
PS D:\>
```



Теперь можно приступить к установке Exchange Server 2016.

Переходим на диск “D” (виртуальный привод), где находятся установочные файлы Exchange Server 2016, и запускаем “Setup.exe”.



На данном этапе можно проверить наличие обновлений для Exchange Server 2016.

Выбираем “Connect to the Internet and check for updates” и нажимаем на кнопку “Next”.

## Check for Updates?

You can have Setup download Exchange Server updates from the Internet before you install Exchange. If updates are available, they'll be downloaded and used by Setup. By downloading updates now, you'll have the latest security and product updates. If you don't want to check for updates right now, or if you don't have access to the Internet, skip this step. If you skip this step, be sure to download and install any available updates after you've completed Setup.

Select one of the following options:

- ☒ Connect to the Internet and check for updates
- ☐ Don't check for updates right now

[next](#)

На данный момент обновлений для Exchange Server 2016 нет.

Нажимаем на кнопку “Next”.

## Downloading Updates...

No updates found, click next to continue with setup.

[next](#)

Далее “Мастер установки Exchange Server” предлагает ознакомиться с информацией касательно Exchange Server 2016.

Нажимаем на кнопку “Next”.

## Introduction

Welcome to Microsoft Exchange Server!

Exchange Server is designed to help you increase user productivity, keep your data safe, and provide you with the control you need. You can tailor your solution to your unique needs with flexible deployment options, including hybrid deployments that enable you to take advantage of both on-premises and online solutions. You can use compliance management features to protect against the loss of sensitive information and help with internal and regulatory compliance efforts. And, of course, your users will be able to access their email, calendar, and voice mail on virtually any device and from any location. This wizard will guide you through the installation of Exchange Server.

Plan your Exchange Server deployment:

[Read about Exchange Server](#)

[Read about supported languages](#)

[Use the Exchange Server Deployment Assistant](#)



next

Далее необходимо принять условия лицензии, если вы с ними согласны, и нажать на кнопку "Next".



## License Agreement

Please read and accept the Exchange Server license agreement.

**MICROSOFT SOFTWARE LICENSE TERMS**  
**MICROSOFT EXCHANGE SERVER 2016 STANDARD, ENTERPRISE, TRIAL AND HYBRID**  
These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft  

- updates,
- supplements,
- Internet-based services, and
- support services

for this software, unless other terms accompany those items. If so, those terms apply.  
**By using the software, you accept these terms. If you do not accept them, do not use the software. Instead, return it to the retailer for a refund or credit.** If you cannot obtain a refund there, contact Microsoft or the Microsoft affiliate service your reseller for information about Microsoft's refund policies. See

- ☒ I acccept the terms in the license agreement.
- ☐ I do not accept the terms in the license agreement.

[next](#)

Выбираем “Don’t use recommended settings”, чтобы сервер Exchange автоматически не отправлял в Microsoft отчеты об ошибках и другую информацию по использованию сервера Exchange.

Нажимаем “Next”.

## Recommended Settings

☐ Use recommended settings

Exchange server will automatically check online for solutions when encountering errors and provide usage feedback to Microsoft to help improve future Exchange features.

☒ Don't use recommended settings

Manually configure these settings after installation is complete (see help for more information).

[Read more about providing usage feedback to Microsoft](#)

[Read more about checking for error solutions online](#)



[back](#)

[next](#)

Теперь необходимо выбрать какие роли будут установлены на ваш сервер.

Выбираем “Mailbox role”, затем выбираем “Automatically install Windows Server roles and features that are required to install Exchange Server” и нажимаем на кнопку “Next”.

## Server Role Selection

Select the Exchange server roles you want to install on this computer:

- ☒ Mailbox role
- ☒ Management tools
- ☐ Edge Transport role
- ☒ Automatically install Windows Server roles and features that are required to install Exchange Server

[back](#)[next](#)

Далее можно выбрать каталог, куда следует установить Exchange Server 2016.

Оставляем настройки без изменений и нажимаем на кнопку "Next".

## Installation Space and Location

Disk space required: 8356.1 MB

Disk space available: 19486.7 MB

Specify the path for the Exchange Server installation:

C:\Program Files\Microsoft\Exchange Server\V15

browse



back

next

Теперь можно настроить параметры защиты от вредоносных программ.

В пункте “Disable malware scanning” выбираем “No” и нажимаем на кнопку “Next”.

## Malware Protection Settings

Malware scanning helps protect your messaging environment by detecting messages that may contain viruses or spyware. It can be turned off, replaced, or paired with other premium services for layered protection.

Malware scanning is enabled by default. However, you can disable it if you're using another product for malware scanning. If you choose to disable malware scanning now, you can enable it at any point after you've installed Exchange.

Disable malware scanning.

☐ Yes

☒ No

Internet access is required to download the latest anti-malware engine and definition updates.

[back](#)[next](#)

Далее начнется процесс проверки готовности к установке, после того как он будет завершен, можно запустить процесс установки Exchange Server 2016.

Нажимаем на кнопку "Install".

## Readiness Checks

The computer will be checked to verify that setup can continue.

Prerequisite Analysis

100%



install

Начался процесс установки Exchange Server 2016.

## Setup Progress

Step 7 of 14: Mailbox role: Transport service

50%



Установка Exchange Server 2016 успешно завершена.

Выбираем “Launch Exchange Administration Center after finishing Exchange setup” и нажимаем на кнопку “Finish”.

## Setup Completed

Congratulations! Setup has finished successfully. To complete the installation of Microsoft Exchange Server, reboot the computer.

You can view additional post-installation tasks online by clicking the link: <http://go.microsoft.com/fwlink/p/?LinkId=255372>. You can also start the Exchange Administration Center after Setup is finished.

☒ Launch Exchange Administration Center after finishing Exchange setup.



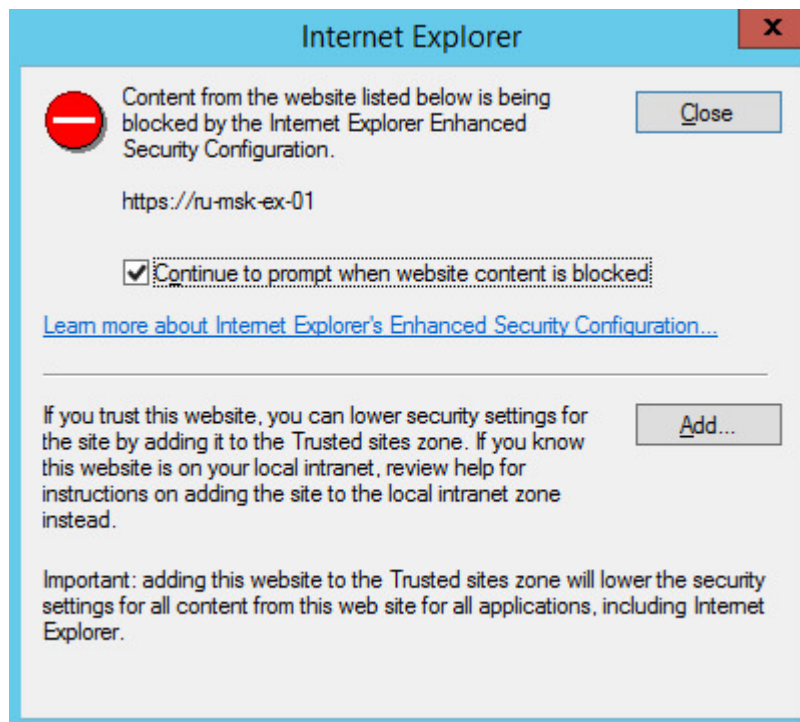
finish

Обратите внимание, для администрирования сервера Exchange используется панель управления Exchange Administration Center, доступная по ссылке <https://ru-msk-ex-01/еср>, где ru-msk-ex-01 - имя моего сервера Exchange. Соответственно, вам необходимо указать имя или IP-адрес вашего сервера с установленным Exchange Server 2016.

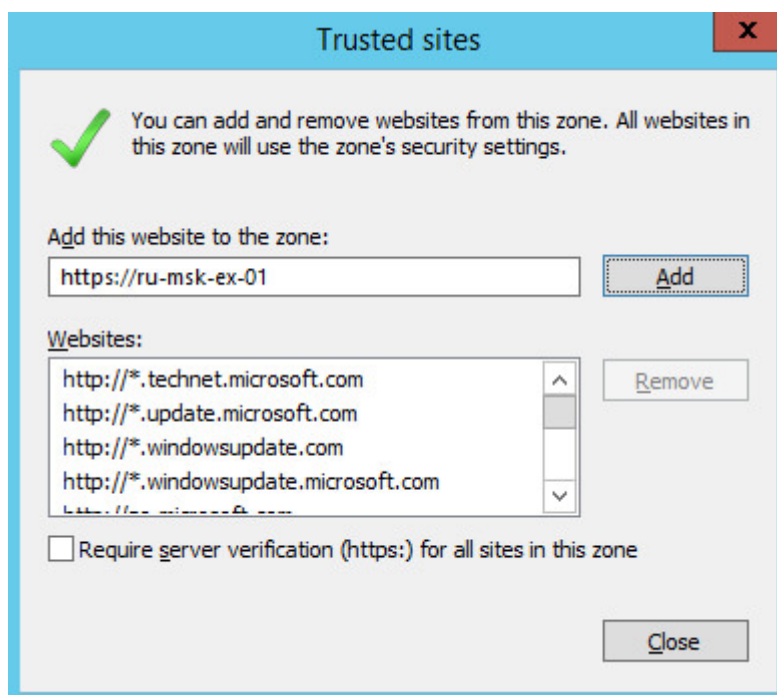
Для корректного отображения панели управления Exchange Administration Center необходимо добавить адрес сервера Exchange в надежные узлы в Internet Explorer.

Нажимаем на кнопку "Add".



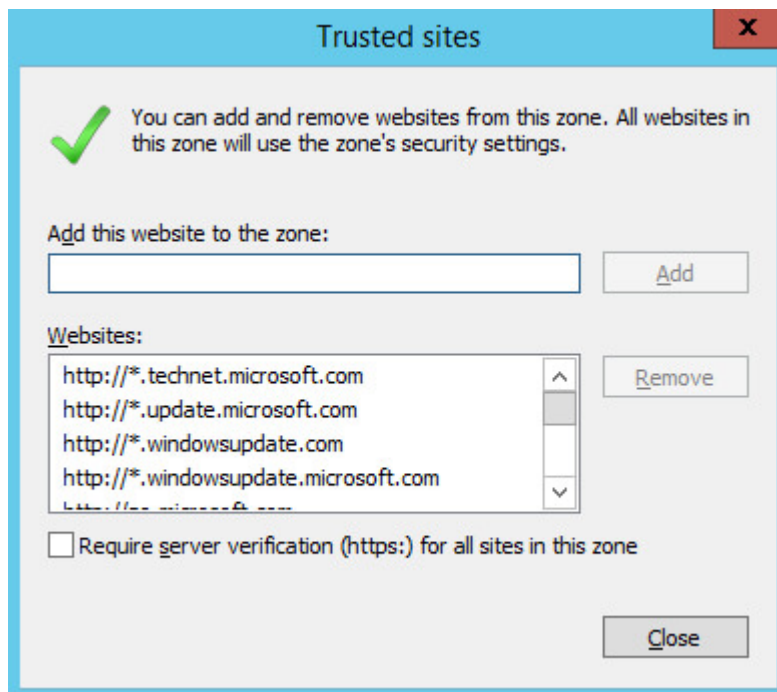


В поле "Add this website to the zone" указываем адрес сервера Exchange и нажимаем на кнопку "Add".

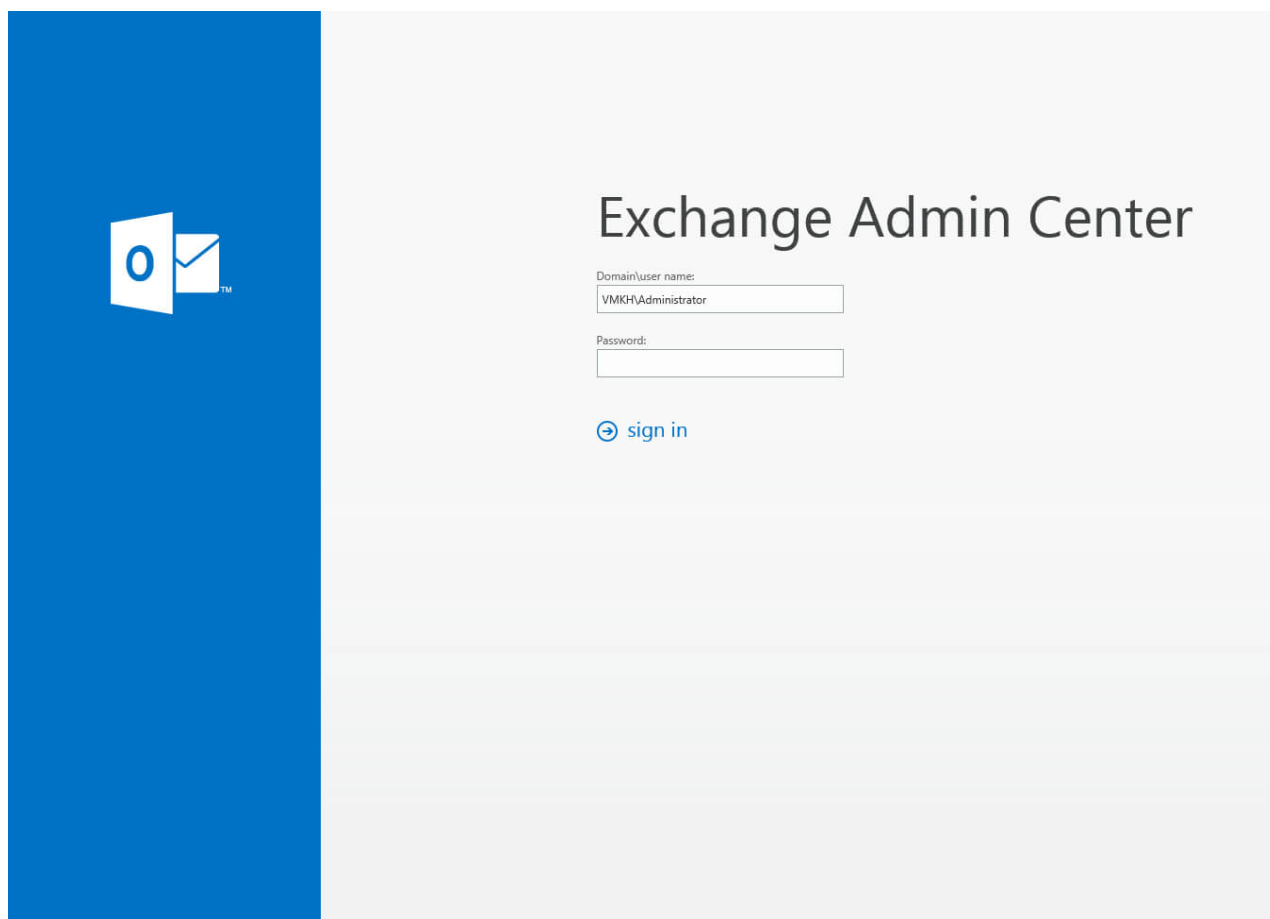


Адрес сервера Exchange добавлен в список надежных узлов.

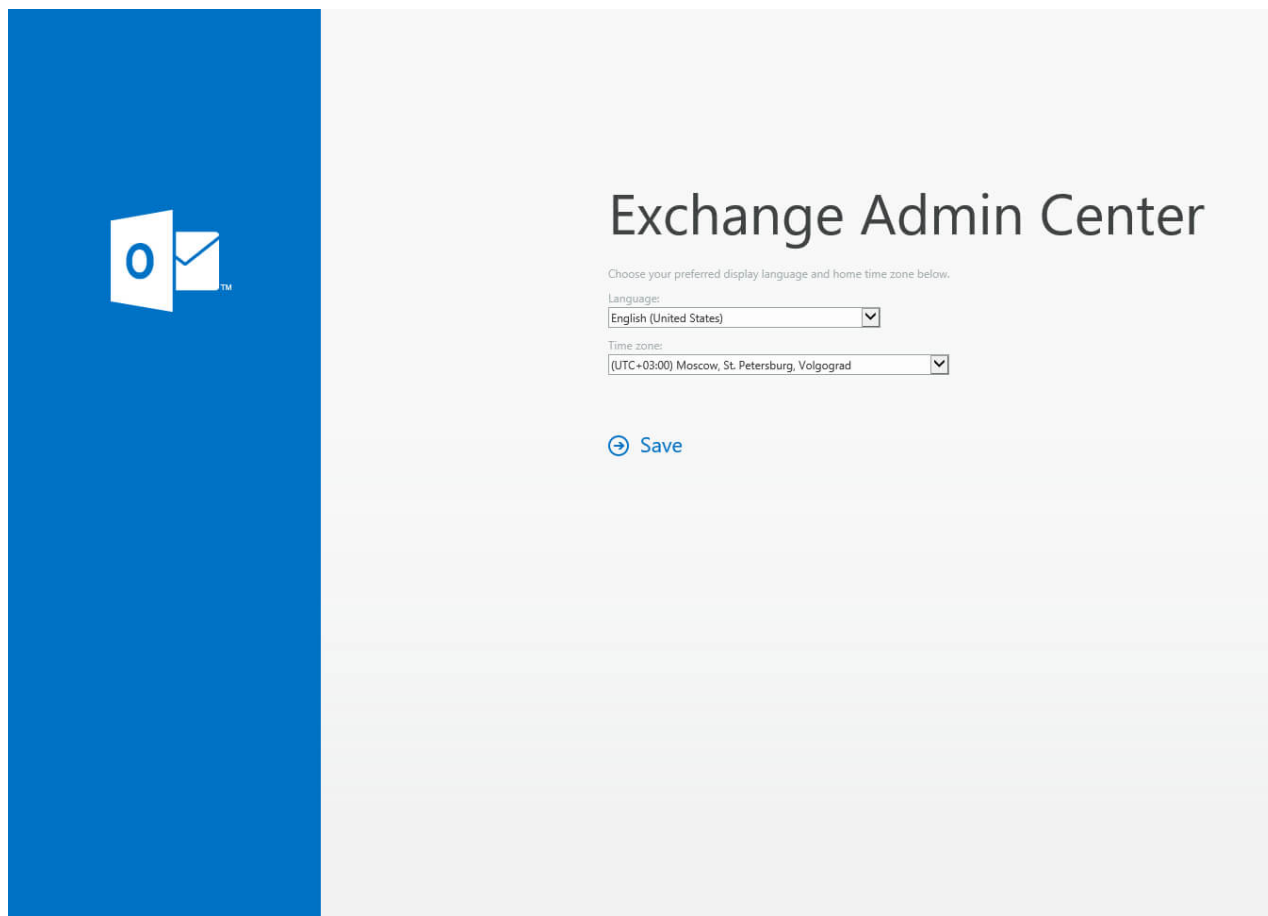
Нажимаем на кнопку "Close".



Далее необходимо указать имя пользователя и пароль учетной записи, обладающей правами администратора Exchange, и нажать на кнопку “Sign in”.



Теперь необходимо выбрать язык на котором будет отображаться дальнейшая информация, а также часовой пояс.



Добро пожаловать в панель управления Exchange Admin Center.

EnterpriseOffice 365

Administrator ?

Exchange admin center

recipients

permissions

compliance management

organization

protection

mail flow

mobile

public folders

unified messaging

servers

hybrid

tools

mailboxesgroupsresourcescontactssharedmigration

+ -

DISPLAY NAME	MAILBOX TYPE	EMAIL ADDRESS
Administrator	User	Administrator@vmkh.org

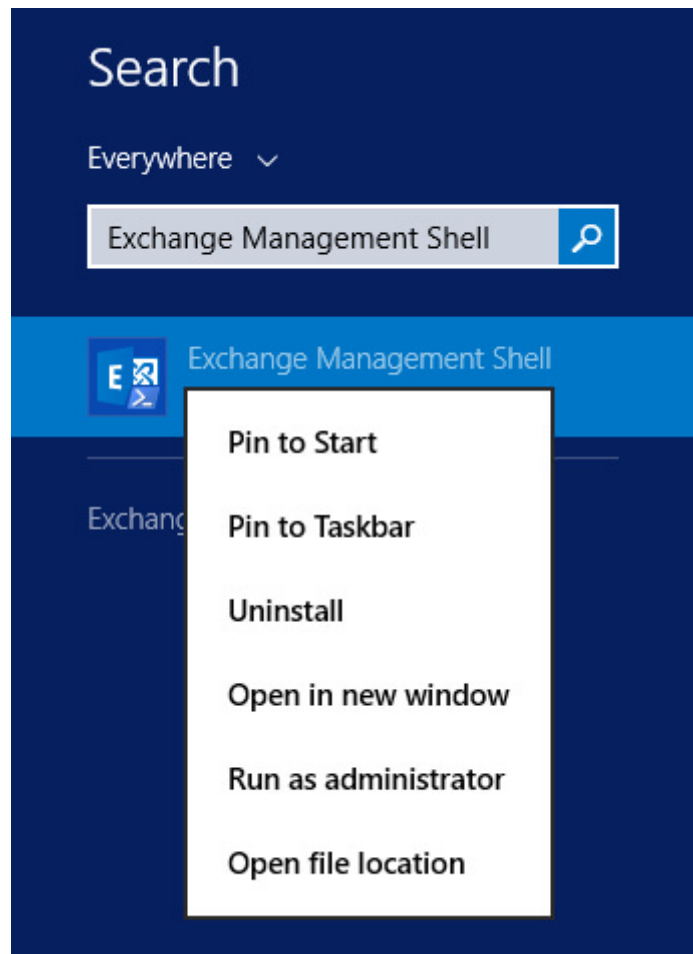
0 selected of 1 total

Теперь можно проверить состояние служб Exchange Server.

Нажимаем “Start”, указываем в строке поиска “Exchange Management Shell”, затем нажимаем правой кнопкой мыши на “Exchange Management Shell” и выбираем “Run as administrator”.

Проверим состояние служб Exchange Server с помощью команды:

Test-ServiceHealth



```
Machine: RU-MSK-EX-01.vmkh.org

Welcome to the Exchange Management Shell!
Full list of cmdlets: Get-Command
Only Exchange cmdlets: Get-ExCommand
Cmdlets that match a specific string: Help *<string>*
Get general help: Help
Get help for a cmdlet: Help <cmdlet name> or <cmdlet name> -?
Exchange team blog: Get-ExBlog
Show full output for a command: <command> ; Format-List

Show quick reference guide: QuickRef
Tip of the day #79:
Wondering how many log files are generated per database every minute? Quickly find out by typing:
Get-MailboxDatabase -Server <Mailbox Server Name> | %< Get-ChildItem -Path $_.LogFolderPath -Filter "*?????.log" | Group-Object -Property <$_LastWriteTime.Day,$_.LastWriteTime.Hour,$_.LastWriteTime.minute> | ?<$_Count -gt 1> | Measure-Object -Property Count -Min -Max -Ave }

VERBOSE: Connecting to RU-MSK-EX-01.vmkh.org.
VERBOSE: Connected to RU-MSK-EX-01.vmkh.org.
[PS] C:\Windows\system32>Test-ServiceHealth
```

Проверка служб успешно завершена.

Значение “True” в “RequireServiceRunning” свидетельствует о том, что службы запущены.

```
Machine: RU-MSK-EX-01.vmkh.org

Role : Mailbox Server Role
RequiredServicesRunning : True
ServicesRunning : <IISAdmin, MExchangeADTopology, MExchangeDelivery, MExchangeIS,
MExchangeMailboxAssistants, MExchangeRepl, MExchangeRPC, MExchangeServiceHost,
MExchangeSubmission, MExchangeThrottling, MExchangeTransportLogSearch, W3Svc, WinRM>
ServicesNotRunning : <>

Role : Client Access Server Role
RequiredServicesRunning : True
ServicesRunning : <IISAdmin, MExchangeADTopology, MExchangeIMAP4, MExchangeMailboxReplication,
MExchangePOP3, MExchangeRPC, MExchangeServiceHost, W3Svc, WinRM>
ServicesNotRunning : <>

Role : Unified Messaging Server Role
RequiredServicesRunning : True
ServicesRunning : <IISAdmin, MExchangeADTopology, MExchangeServiceHost, MExchangeUM, W3Svc, WinRM>
ServicesNotRunning : <>

Role : Hub Transport Server Role
RequiredServicesRunning : True
ServicesRunning : <IISAdmin, MExchangeADTopology, MExchangeEdgeSync, MExchangeServiceHost,
MExchangeTransport, MExchangeTransportLogSearch, W3Svc, WinRM>
ServicesNotRunning : <>
```