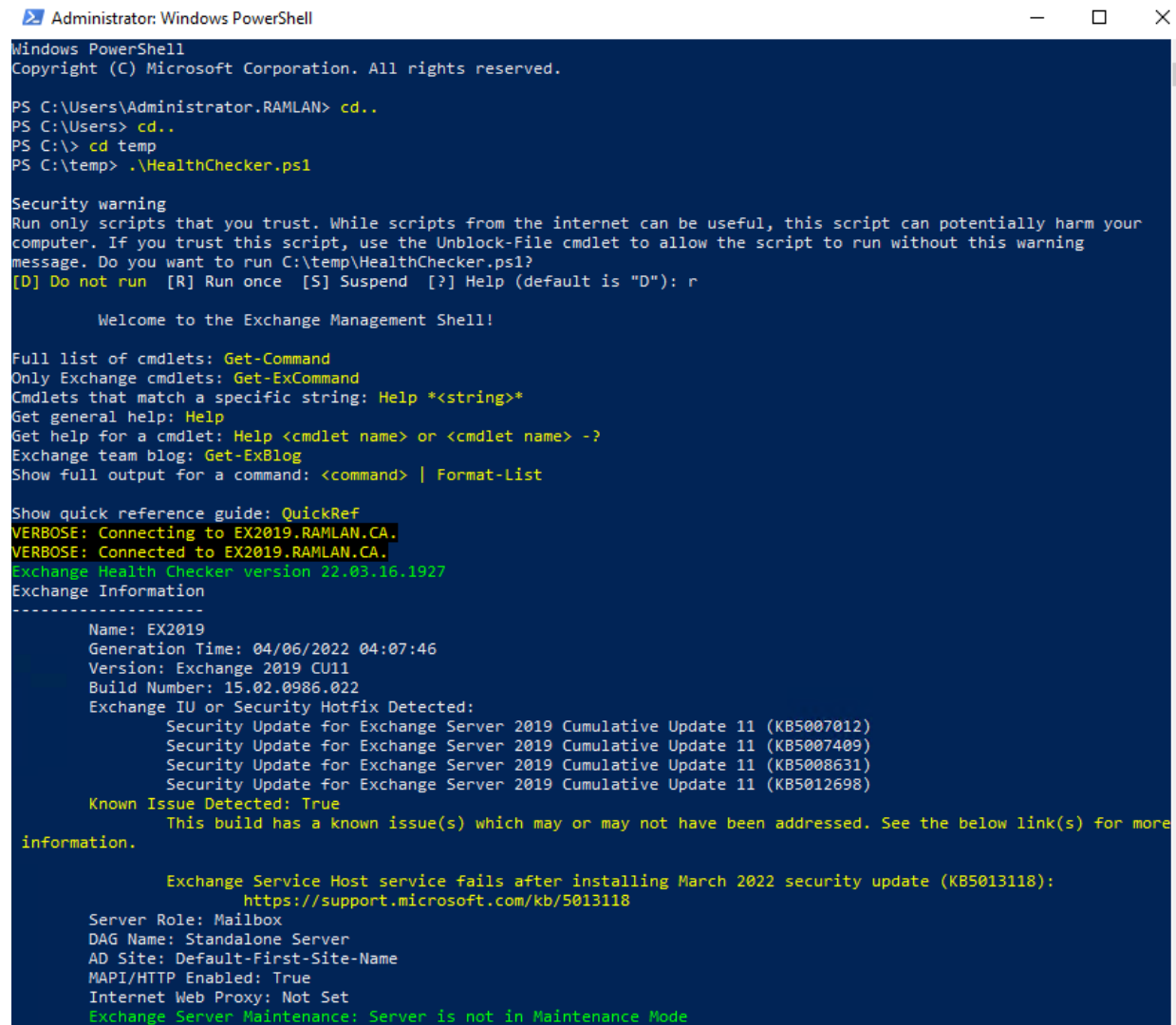


How to find Exchange Server 2019 Health Status

If you ever want to find what cumulative update your exchange server is running this is a good script to try. It gives you a lot of information including health of your exchange server, cumulative updates installed, exchange ssl certificates and other info.

You can download the script from here - <https://microsoft.github.io/CSS-Exchange/Diagnostics/HealthChecker/>

Open PowerShell and run the script

A screenshot of a Windows PowerShell window titled "Administrator: Windows PowerShell". The window shows the execution of the HealthChecker.ps1 script. The prompt is "PS C:\temp> .\HealthChecker.ps1". The script outputs a security warning, followed by a welcome message to the Exchange Management Shell. It lists available cmdlets and provides help information. The script then connects to the Exchange server "EX2019.RAMLAN.CA" and displays the "Exchange Health Checker version 22.03.16.1927". The "Exchange Information" section shows details about the server, including its name, generation time, version, build number, and detected security updates. It also indicates that a known issue has been detected and provides a link to the Microsoft support page for the issue. The "Server Role" section shows that the server is a Mailbox DAG Name: Standalone Server, AD Site: Default-First-Site-Name, MAPI/HTTP Enabled: True, and Internet Web Proxy: Not Set. The final status is "Exchange Server Maintenance: Server is not in Maintenance Mode".

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

PS C:\Users\Administrator.RAMLAN> cd..
PS C:\Users> cd..
PS C:\> cd temp
PS C:\temp> .\HealthChecker.ps1

Security warning
Run only scripts that you trust. While scripts from the internet can be useful, this script can potentially harm your
computer. If you trust this script, use the Unblock-File cmdlet to allow the script to run without this warning
message. Do you want to run C:\temp\HealthChecker.ps1?
[D] Do not run [R] Run once [S] Suspend [?] Help (default is "D"): r

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
VERBOSE: Connecting to EX2019.RAMLAN.CA.
VERBOSE: Connected to EX2019.RAMLAN.CA.
Exchange Health Checker version 22.03.16.1927
Exchange Information
-----
Name: EX2019
Generation Time: 04/06/2022 04:07:46
Version: Exchange 2019 CU11
Build Number: 15.02.0986.022
Exchange IU or Security Hotfix Detected:
    Security Update for Exchange Server 2019 Cumulative Update 11 (KB5007012)
    Security Update for Exchange Server 2019 Cumulative Update 11 (KB5007409)
    Security Update for Exchange Server 2019 Cumulative Update 11 (KB5008631)
    Security Update for Exchange Server 2019 Cumulative Update 11 (KB5012698)
Known Issue Detected: True
    This build has a known issue(s) which may or may not have been addressed. See the below link(s) for more
information.
    Exchange Service Host service fails after installing March 2022 security update (KB5013118):
    https://support.microsoft.com/kb/5013118
Server Role: Mailbox
DAG Name: Standalone Server
AD Site: Default-First-Site-Name
MAPI/HTTP Enabled: True
Internet Web Proxy: Not Set
Exchange Server Maintenance: Server is not in Maintenance Mode
```

```
Administrator: Windows PowerShell

Hybrid Information
-----
Organization Hybrid enabled: True
On-Premises Smart Host Domain: mail.ramlan.ca
Domain(s) configured for Hybrid use:
    RAMLAN.CA
Receiving Transport Server(s):
    EX2019
Sending Transport Server(s):
    EX2019
TLS Certificate Name: <I>CN=Let's Encrypt Authority X3, O=Let's Encrypt, C=US<S>CN=mail.ramlan.ca
Feature(s) enabled for Hybrid use:
    FreeBusy
    MoveMailbox
    Mailtips
    MessageTracking
    OwaRedirection
    OnlineArchive
    SecureMail
    Photos

Operating System Information
-----
Version: Microsoft Windows Server 2019 Datacenter
System Up Time: 24 day(s) 23 hour(s) 42 minute(s) 55 second(s)
Time Zone: Eastern Standard Time
Dynamic Daylight Time Enabled: True
.NET Framework: 4.8
Pagefile: System is set to automatically manage the PageFile Size: 0MB
Error: On Exchange 2019, the recommended PageFile size is 25% (4096MB) of the total system memory (16384
MB).
More information: https://aka.ms/HC-PageFile
Power Plan: Balanced --- Error
Http Proxy Setting: None
Visual C++ 2012: 184610406 Version is current
Visual C++ 2013: 201367256 Version is current
Server Pending Reboot: True --- Warning: a reboot is pending and can cause issues on the server.
HKLM:\SYSTEM\CurrentControlSet\Control\Session Manager\PendingFileRenameOperations
More information: https://aka.ms/HC-RebootPending

Processor/Hardware Information
-----
Type: Physical
Manufacturer: LENOVO
Model: 23563C6
Processor: Intel(R) Core(TM) i5-3320M CPU @ 2.60GHz
Number of Processors: 1
Number of Physical Cores: 2
Number of Logical Cores: 4
Hyper-Threading: Enabled --- Error: Having Hyper-Threading enabled goes against best practices and can cause per
formance issues. Please disable as soon as possible.
All Processor Cores Visible: Passed
Max Processor Speed: 2601
Physical Memory: 16 GB
Warning: We recommend for the best performance to have a minimum of 128GB of RAM installed on the machin
e.

Administrator: Windows PowerShell

Security Settings
-----
LmCompatibilityLevel Settings: 3
Description: Clients use only NTLMv2 authentication, and they use NTLMv2 session security if the server
supports it. Domain controllers accept LM, NTLM, and NTLMv2 authentication.
TLS 1.0
    Server Enabled: False
    Server Disabled By Default: True
    Client Enabled: False
    Client Disabled By Default: True
TLS 1.1
    Server Enabled: False
    Server Disabled By Default: True
    Client Enabled: False
    Client Disabled By Default: True
TLS 1.2
    Server Enabled: True
    Server Disabled By Default: False
    Client Enabled: True
    Client Disabled By Default: False
SystemDefaultTlsVersions: True
SystemDefaultTlsVersions - Wow6432Node: True
SchUseStrongCrypto: False
SchUseStrongCrypto - Wow6432Node: False
SecurityProtocol: Tls12
SMB1 Installed: False
SMB1 Blocked: True
Certificate:
    FriendlyName: CN=MS-Organization-P2P-Access [2021]
    Thumbprint: B588C3FB2D006F20746D541878E8C4181DB69CDC
    Lifetime in days: 0
    Certificate has expired: False
    Certificate status: Invalid
    Key size: 2048
    Signature Algorithm: sha256RSA
    Signature Hash Algorithm: sha256
    Bound to services: None
    Current Auth Certificate: False
    SAN Certificate: True
    Namespaces:
        EX2019
        EX2019
        :1
        192.168.0.5
        EX2019.RAMLAN.CA
Certificate:
    FriendlyName: [Manual] mail.ramlan.ca @ 2022-2-27 9:00:23
    Thumbprint: 2517A011E47B4C635B429DB5EA5B32109BA6472B
    Lifetime in days: 52
    Certificate has expired: False
    Certificate status: Valid
    Key size: 3072
    Signature Algorithm: sha256RSA
    Signature Hash Algorithm: sha256
    Bound to services: IMAP, POP, IIS, SMTP
    Current Auth Certificate: False
    SAN Certificate: True
    Namespaces:
        autodiscover.ramlan.ca
```

Thanks

Ram
6th Apr 2022