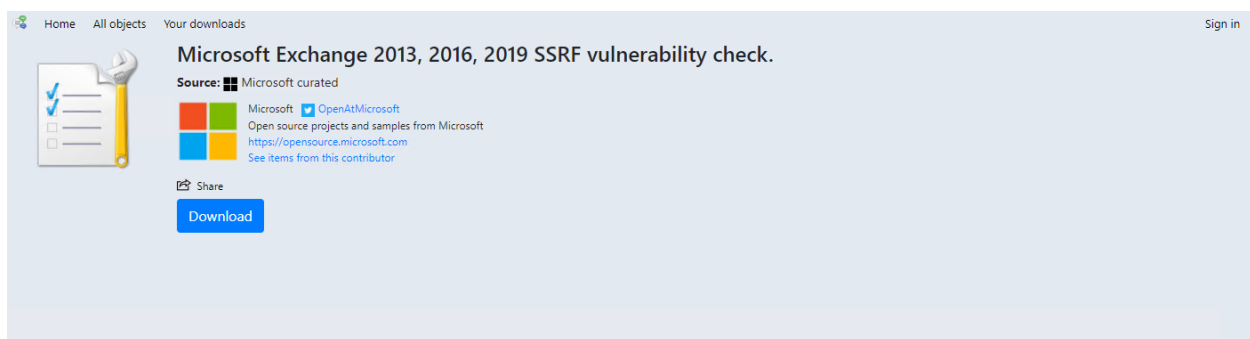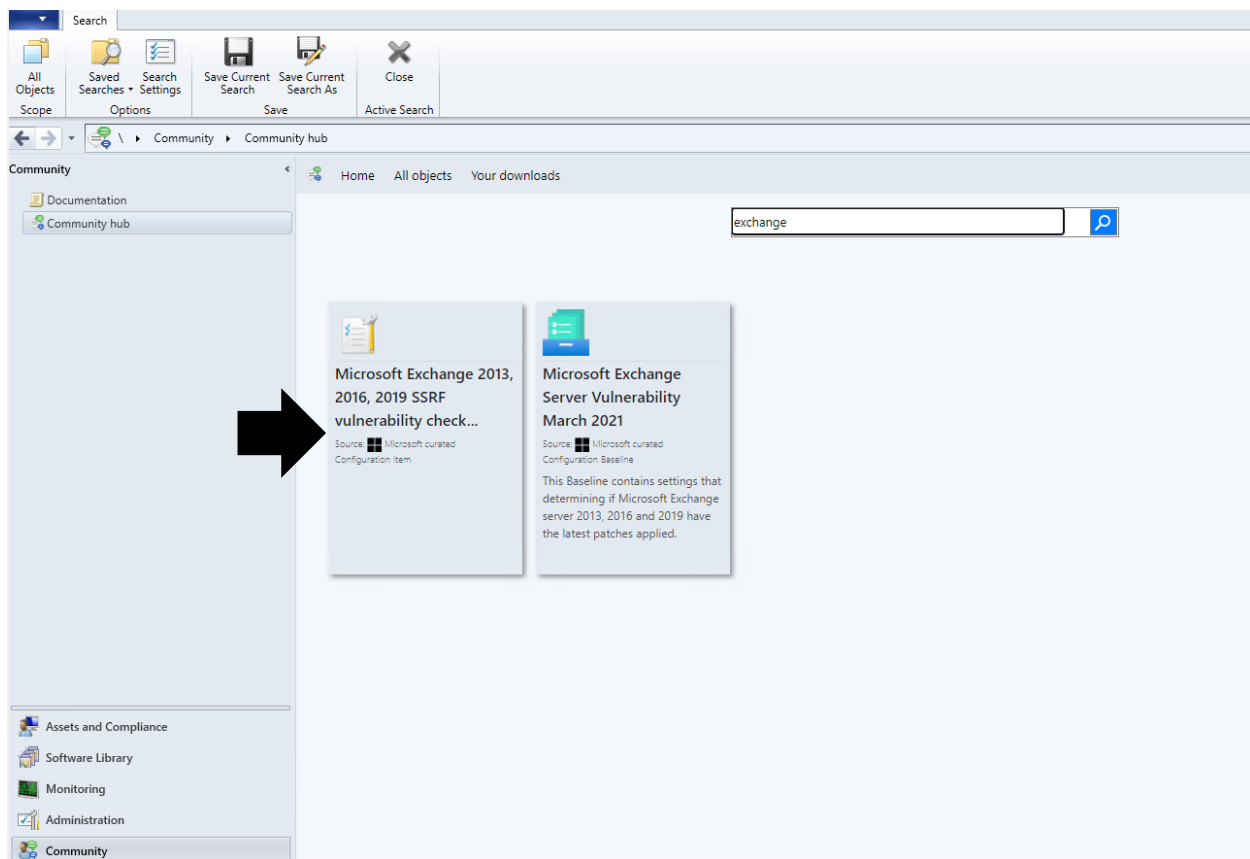# Community Hub Contribution to test and fix Exchange Server HAFNIUM

In this post, I will install Configuration Item (CI) contributed by configuration Manager community to test and fix Exchange Server.  Within the lab, I am running Exchange Server 2019.  I will use Current Branch 2010 to test and share the end result.

**Microsoft Exchange 2013, 2016, 2019 SSRF vulnerability check.**

**Source:** Microsoft curated

Microsoft    OpenAtMicrosoft
Open source projects and samples from Microsoft
https://opensource.microsoft.com
See items from this contributor

Share

This item was downloaded on 3/22/2021 12:04 PM
**Download success!**

---

Community hub

Home    All objects    Your downloads

| Name | Download date | Downloaded by | Curation Status | Commit |
|------|---------------|---------------|-----------------|--------|
| Configure Edge Auto Update | 7/12/2020 11:35 AM | RAMLAN\ram | Curated | Commit information (external) |
| Logical Disk per Device Chart | 10/2/2020 10:50 AM | RAMLAN\lanram | Curated | Commit information (external) |
| Microsoft Exchange 2013, 2016, 2019 SSRF vulnerability check. | 3/22/2021 12:04 PM | RAMLAN\Administrator | Curated | Commit information (external) |

Here is our downloaded compliance item.  We can create a baseline and deploy.

Assets and Compliance  ▶  Overview  ▶  Compliance Settings  ▶  Configuration Items

Configuration Items 20 items

Search

| Icon | Name | Type | Device Type | Revision | Child | Relationships | User Setting | Date Modified |
|------|------|------|-------------|----------|-------|---------------|--------------|---------------|
| | Microsoft Exchange 2013, 2016, 2019 SSRF vulnerability check. | Application | Windows | 7 | No | No | No | 22-Mar-2021 12:04 PM |
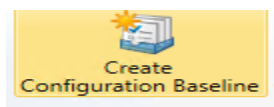
Create
Configuration Baseline

---

**Create Configuration Baseline**                    ×

**Specify general information about this configuration baseline**

Name:          HAFNIUM Exchange 2019

Description:

Select the configuration data (configuration items, configuration baselines, and software updates) to be evaluated for compliance by this configuration baseline. This configuration baseline will be assessed as compliant if all the items specified are compliant. Optional items are evaluated only if the relevant application is present on the client devices.

Configuration data:

Filter...

| Name | Type | Purpose | Revision |
|------|------|---------|----------|
| There are no items to show in this view. | | | |

| Add | Change Purpose | Change Revision | Remove |

Configuration Items ⬅
Software Updates                    r co-managed clients
Configuration Baselines             ompliance policy assessment

Assigned categories to improve searching and filtering:

Categories...

OK          Cancel

## Add Configuration Items ✕

### Select the configuration items that you want to add to this configuration baseline

Available configuration items:

Filter... 🔍

| Name | Type | Latest Revision | Description |
|------|------|-----------------|-------------|
| ESU - WinServer 2008 SP2 - KB check - K... | Operating System | Revision 4 | checks for kb4493730, ES. |
| ESU - WinServer 2008 SP2 - KB check - ... | Operating System | Revision 7 | checks for Sept./Nov./De... |
| ESU - WinServer 2008/2008 R2 SP1 - KB ... | Operating System | Revision 7 | checks for kb4474419, ES. |
| ESU - WinServer2008 R2 SP1 - KB check... | Operating System | Revision 5 | checks for KB4490628, ES |
| ESU - WinServer2008 R2 SP1 - KB check... | Operating System | Revision 10 | checks for KB4516655, KB |
| MS Teams Compliance Status | Operating System | Revision 1 | |
| Office Activation Status | Operating System | Revision 1 | |
| WVD Windows 10 Multi-Session | Operating System | Revision 1 | |

[ Add ]  [ Remove ]

Configuration items that will be added to this configuration baseline:

Filter... 🔍

| Name | Type | Latest Revision | Description | Status |
|------|------|-----------------|-------------|--------|
| ➤ Microsoft Exchange 2... | Application | Revision 7 | This Configuration Item will ... | Enabled |

[ OK ]  [ Cancel ]

---

### 🖼 Create Configuration Baseline

### Specify general information about this configuration baseline

Name: HAFNIUM Exchange 2019

Description: This Baseline contains settings that determining if Microsoft Exchange server 2013, 2016 and 2019 have the latest patches applied.

Select the configuration data (configuration items, configuration baselines, and software updates) to be evaluated for compliance by this configuration baseline. This configuration baseline will be assessed as compliant if all the items specified are compliant. Optional items are evaluated only if the relevant application is present on the client devices.

Configuration data:

Filter... 🔍

| Name | Type | Purpose | Revision |
|------|------|---------|----------|
| Microsoft Exchange 2013, 2016, 2019 SSRF v... | Application | Required | Latest |

[ Add ▼ ]  [ Change Purpose ▼ ]  [ Change Revision ▼ ]  [ Remove ]

☑ Always apply this baseline even for co-managed clients
☑ Evaluate this baseline as part of compliance policy assessment

Assigned categories to improve searching and filtering:

"IT Infrastructure"  [ Categories... ]

[ OK ]  [ Cancel ]

Now we can deploy to Exchange Server collection and run the baseline.



Deploy Configuration Baselines                                                    ✕

Select the configuration baselines that you want to deploy to a collection

Available configuration baselines:                    Selected configuration baselines:

| Filter... | Filter... |
|---|---|

CB – Office Activation
1B: CustomerReady_ESU - Windows 7 - K          Add >          HAFNIUM Exchange 2019
2: CustomerReady_ESU - Windows 7/Wi...                    < Remove

☐ Remediate noncompliant rules when supported

    ☐ Allow remediation outside the maintenance window

☐ Generate an alert:

    When compliance is below:            90  ⬍  %

    Date and time:                       22-Mar-2021  ∨    12:50 PM  ⬍

    ☐ Generate System Center Operations Manager alert

Select the collection for this configuration baseline deployment.

Collection:        EX2019                                              Browse...

Schedule
Specify the compliance evaluation schedule for this configuration baseline:

◉ Simple schedule

    Run every:        7  ⬍    Days  ∨

◯ Custom schedule

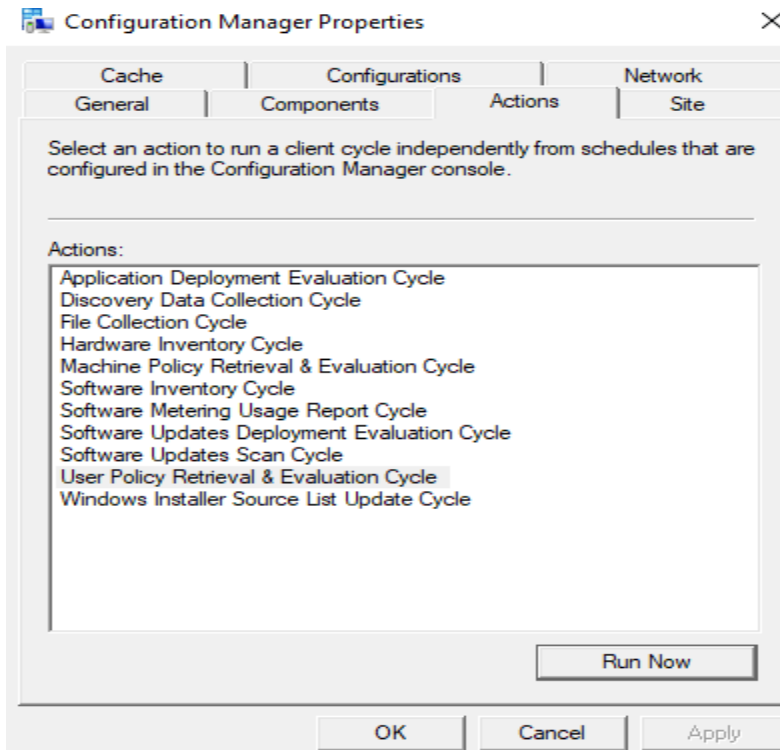    No custom schedule defined.                                   Customize...
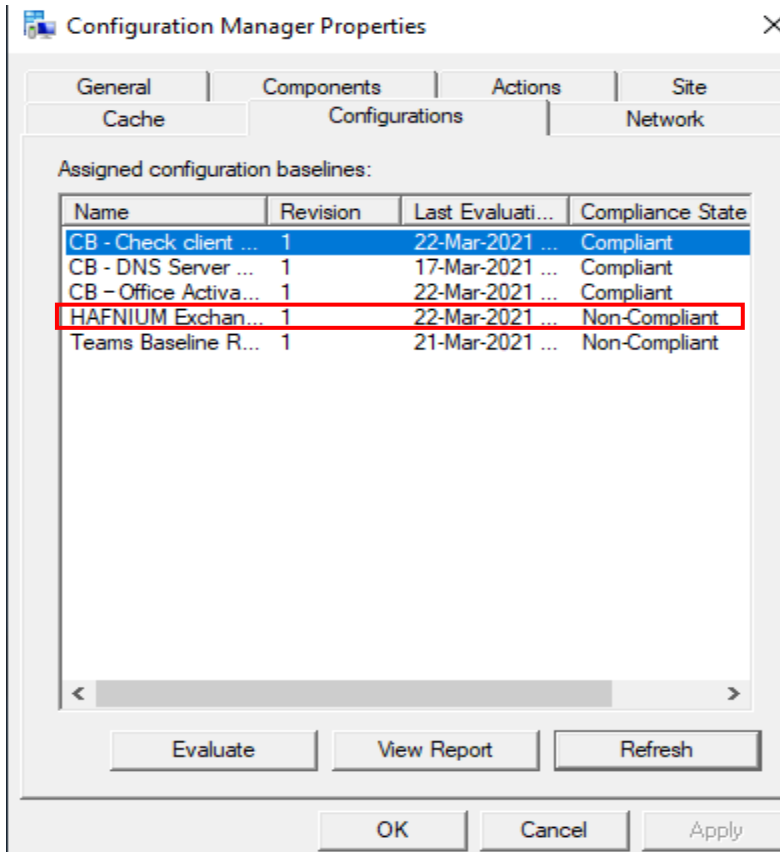
                                                        OK          Cancel

Now run Machine and User policy.



From the screen shot the state is Non Compliant

Here is the report

**Report View**    Xml View

**COMPUTER NAME:**  EX2019
**EVALUATION TIME:**  22-Mar-2021 12:54:54 PM

**BASELINE NAME:**  HAFNIUM Exchange 2019
**REVISION:**  1
**COMPLIANCE STATE:**  Non-Compliant
**NON-COMPLIANCE SEVERITY:**  Critical
**DESCRIPTION:**  This Baseline contains settings that determining if Microsoft Exchange server 2013, 2016 and 2019 have the latest patches applied.

**Summary:**

| Name | Revision | Type | Baseline Policy | Compliance State | Non-Compliance Severity | Discovery Failures | Non-Compliant Rules | Remediated Rules | Conflicting Rules |
|---|---|---|---|---|---|---|---|---|---|
| HAFNIUM Exchange 2019 | 1 | Baseline | | Non-Compliant | Critical | 0 | 1 | 0 | 0 |
| Microsoft Exchange 2013, 2016, 2019 SSRF vulner… | 7 | Application Configuration | Required | Non-Compliant | Critical | 0 | 1 | 0 | 0 |

**Details:**

**NAME:**  HAFNIUM Exchange 2019
**TYPE:**  Baseline
**REVISION:**  1
**COMPLIANCE STATE:**  Non-Compliant
**NON-COMPLIANCE SEVERITY:**  Critical
**DESCRIPTION:**  This Baseline contains settings that determining if Microsoft Exchange server 2013, 2016 and 2019 have the latest patches applied.

**NAME:**  Microsoft Exchange 2013, 2016, 2019 SSRF vulnerability check.
**TYPE:**  Application Configuration
**REVISION:**  7
**COMPLIANCE STATE:**  Non-Compliant
**NON-COMPLIANCE SEVERITY:**  Critical
**DESCRIPTION:**  This Configuration Item will check if the following Microsoft Exchange SSRF vulnerabilities exist: CVE-2021-26855 CVE-2021-26857 CVE-2021-26858 CVE-2021-27065

**Non-Compliant Rules:**

| Setting Name | Setting Type | Setting Description | Rule Name | Rule Description | Severity | Instance Data | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Expression | Current Value | Instance Source | Rule Type |
| Setting for Exchange versions 2013, 2016, 2019 | Registry Value | This setting checks the registry for the InterimUpdate value for Microsoft Exchange Versions 2013, 2016, and 2019. | InterimUpdate value must exist | This rule requires that the 'InterimUpdate' value must exist which indicates this version of Microsoft Exchange Server has not been patched. | Critical | NotEquals 0 | 0 | | Existential |

This concludes how to use the CI contributed by SCCM community.

Thanks

**Ram Lan**
**22nd Mar 2021**

⌂  View update history

Uninstall updates

Recovery options

Update history
∨ Quality Updates (50)

2021-03 Cumulative Update for Windows Server 2019 (1809) for x64-based Systems (KB5000822)
Successfully installed on 11-Mar-2021

2021-03 Cumulative Update for Windows Server 2019 for x64-based Systems (KB5000822) (3)
Last failed install attempt on 11-Mar-2021 - 0x80240034

2021-03 Servicing Stack Update for Windows Server 2019 for x64-based Systems (KB5000859) (3)
Last failed install attempt on 11-Mar-2021 - 0x80240034

2021-01 Update for Windows Server 2019 for x64-based Systems (KB4589208)
Successfully installed on 10-Mar-2021

2021-02 Cumulative Update Preview for Windows Server 2019 (1809) for x64-based Systems (KB4601383)
Successfully installed on 05-Mar-2021

Security Update For Exchange Server 2019 CU8 (KB5000871)
Successfully installed on 04-Mar-2021

Security Update For Exchange Server 2019 CU8 (KB5000871) (4)
Last failed install attempt on 04-Mar-2021 - 0x80240034

Update for Removal of Adobe Flash Player for Windows Server 2019 for x64-based systems (KB4577586)
Successfully installed on 25-Feb-2021

2021-02 Cumulative Update Preview for .NET Framework 3.5, 4.7.2 and 4.8 for Windows Server 2019 for x64 (KB4602298)
Successfully installed on 25-Feb-2021

2021-02 Cumulative Update for .NET Framework 3.5, 4.7.2 and 4.8 for Windows Server 2019 for x64 (KB4601887)
Successfully installed on 15-Feb-2021