# **Configure a Time-Based Access Control Rule on FDM with Rest API**

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## Introduction

This document describes how to configure and validate a Time-Based access control rule on the FTD managed by FDM with Rest API.

# Prerequisites

## Requirements

Cisco recommends that you have knowledge of these topics:

- Secure Firewall Threat Defense (FTD)
- Firepower Device Management (FDM)
- Knowledge of Representational State Transfer Application Programming Interface (REST API)
- Access Control List (ACL)

## **Components Used**

The information in this document is based on FTD version 7.1.0.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

# **Background Information**

FTD API version 6.6.0 and later support access control rules that are limited based on time.

Using the FTD API, you can create time range objects, which specify one-time or recurring time ranges, and apply these objects to access control rules. Using time ranges, you can apply an access control rule to traffic during certain times of day, or for certain periods of time, in order to provide flexibility to network usage. You cannot use FDM in order to create or apply time ranges, nor does FDM show you if an access control rule has a time range applied to it.

## Configure

Step 1. Click the advanced options (Kebab menu) in order to open the FDM API explorer.

| 🛷 Securit | / Policies     |                      |                           |                   |                         |                         |                          |              | API API | Explorer       |         |
|-----------|----------------|----------------------|---------------------------|-------------------|-------------------------|-------------------------|--------------------------|--------------|---------|----------------|---------|
|           | ) SSL Decrypti | ion $\rightarrow$ () | Identity $\rightarrow$ () | Security Intellig | ience $ ightarrow$ 🕑 NA | л → <mark>⊘</mark> Ассе | as Control $\rightarrow$ | S Intrusion  |         |                |         |
|           |                |                      |                           |                   |                         | T                       | Filter                   |              |         | ¢ <sup>*</sup> | ().     |
|           |                | SOURCE               |                           |                   | DESTINATION             |                         |                          |              |         |                |         |
| # NAME    | ACTION         | ZONES                | NETWORKS                  | PORTS             | ZONES                   | NETWORKS                | PORTS                    | APPLICATIONS | URLS    | USERS          | ACTIONS |
|           |                |                      |                           |                   | There are no a          | ccess rules vet.        |                          |              |         |                |         |
|           |                |                      |                           |                   | Start by creating t     | he first access rule.   |                          |              |         |                |         |
|           |                |                      |                           |                   | CREATE A                | CCESS RULE              |                          |              |         |                |         |
|           |                |                      |                           |                   |                         |                         |                          |              |         |                |         |
|           |                |                      |                           |                   |                         |                         |                          |              |         |                |         |

Image 1. FDM web user interface.

#### Step 2. Choose the category AccessPolicy in order to display the different API calls.



Image 2. API Explorer web user interface.

#### Step 3. Run the GET call in order to obtain the Access Policy ID.

| Acces  | sPolicy   | Show/Hide | List Operations | Expand Operations |
|--------|---|-----------|-----------------|-------------------|
| GET    | /policy/accesspolicies/{parentId}/accessrules         |           |                 |                   |
| POST   | /policy/accesspolicies/{parentId}/accessrules         |           |                 |                   |
| DELETE | /policy/accesspolicies/{parentId}/accessrules/{objId} |           |                 |                   |
| GET    | /policy/accesspolicies/{parentId}/accessrules/{objId} |           |                 |                   |
| PUT    | /policy/accesspolicies/{parentId}/accessrules/{objId} |           |                 |                   |
| GET    | /policy/accesspolicies                                |           |                 |                   |
| GET    | /policy/accesspolicies/{objld}                        |           |                 |                   |

| Firepower Device Mana | ager Monitoring Policies Objects Device: firepower  | Administrator     Administrator |
|-----------------------|---|---------------------------------|
| FTD REST API 🔶        | "Messager: "String;<br>"Internal_error_code": 0<br>)  |                                 |
| API Explorer          |   |                                 |
| Error Catalog         |   | *                               |
|                       | 520 Model Example Value<br>{     "status_coop": 0,     "message1: string",     "internal_error_code": 0     ) |                                 |
|                       | TRY IF OUTI       GET       /policy/accesspolicies/{objld}       PUT       /policy/accesspolicies/{objld}     |                                 |

#### Step 4. You must hit on TRY IT OUT! in order to retrieve the API response.

Image 4. TRY IT OUT! button which runs the API call.

Step 5. Copy the JSON data from the response body to a notepad. Later, you must use the Access Control Policy ID.

| Firepower Device M | anager Monitoring Policies Objects Device: firepower   | ۶.) | ( | 0 | ? | •   | admin<br>Administrator | ~ |
|--------------------|--|-----|---|---|---|-----|------------------------|---|
| FTD REST API ←     | TRY IT OUTI Hide Response  |     |   |   |   | le. |                        |   |
| Error Catalog      | Curl curl -X GETheader 'Accept: application/json' 'https://10.88.243.61:44370/api/fdm/v6/policy/accesspolicies Request URL https://10.88.243.61:44370/api/fdm/v6/policy/accesspolicies Response Rest:  |     |   |   |   |     |                        |   |
|                    | <pre>Response Body     "hitCount": {         "hitCount": 0,         "firstHitTimeStamp": "",         "lastFitchTimeStamp": "2023-07-18 23:12:162",         "type": "hitcount"         },         "type": "hitcount"         },         "type": "accessdefaultaction"         },         "sslPolicy": null,         "certVisibilityEmbled": false,         "networkAnalysisPolicy": null,         "certVisibilityEmbled": false,         "networkAnalysisPolicy": null,         "certVisibilityEmbled": false,         "networkAnalysisPolicy": null,         "advancedSettings": {             "disReputationEnforcementEnabled": true,             "type": "advancedsettings"         },         "id": "c78e66bc-cb57-43fe-bcbf-96b79b3475b3",         "identityPolicySetting": null,         "securityIntelligence": null,         "type": "accesspolicy",         "type": "accesspolicy",</pre> |     |   |   |   |     |                        | i |

Image 5. GET response from Access Policy.

Step 6. Find and open the TimeRange category on the API Explorer in order to display the different API calls.

| Firepower Device Ma | anager 🐨 🕫 🚎 📖                         | 6_ | ) ? 🚦      | admin<br>Administrato | ~ ~               |
|---------------------|--|----|------------|-----------------------|-------------------|
| ETD REST API 6      | StandardAccessList                     |    | Show/Hide  | List Operations       | Expand Operations |
|                     | StandardCommunityList                  |    | Show/Hide  | List Operations       | Expand Operations |
| APIExplorer         | SyslogServer                           |    | Show/Hide  | List Operations       | Expand Operations |
| Error Catalog       | SystemInformation                      |    | Show/Hide  | List Operations       | Expand Operations |
|                     | Telemetry                              |    | Show/Hide  | List Operations       | Expand Operations |
|                     | TestDirectory                          |    | Show/Hide  | List Operations       | Expand Operations |
|                     | TestIdentityServicesEngineConnectivity |    | Show/Hide  | List Operations       | Expand Operations |
| _                   | TestIdentitySource                     |    | Show/Hide  | List Operations       | Expand Operations |
|                     | TimeRange                              |    | Show/Hide  | List Operations       | Expand Operations |
|                     | TimeZoneObjects                        |    | Show/Hide  | List Operations       | Expand Operations |
|                     | Time Zone Settings                     |    | Show/Hide  | List Operations       | Expand Operations |
|                     | TimeZones                              |    | Show/Hide  | List Operations       | Expand Operations |
|                     | Token                                  |    | Show/Hide  | List Operations       | Expand Operations |
|                     | TrafficInterruptionReasons             |    | Show/Hide  | List Operations       | Expand Operations |
|                     | TrafficUser                            |    | Show/Hide  | List Operations       | Expand Operations |
|                     | TrafficUserGroup                       |    | Show/Hirle | List Operations       | Evnand Onerations |

Image 6. Time Range category.

### Step 7. Create as many TimeRange objects as you want by using the **POST** API call.

| Firepower Device M | lanager Monitoring Policies Objects Device: firepower   | ∑ 🚔 Ø ? 🕴 admin<br>Administrator ✓          |
|--------------------|---|---|
| FTD REST API ←     | TimeRange or /object/timeranges   | Show/Hide List Operations Expand Operations |
| API Explorer       | Post /object/timeranges   |   |
| irror Catalog      | Implementation Notes<br>This API call is not allowed on the standby unit in an HA pair.<br>Response Class (Status 200)  |   |
|                    | <pre>Model Example Value "effectiveEndDateTime": "string",     "recurrenceList": [     [         "days": [         "NOW"     ],         "recurrenceType": "DAILY_INTERVAL",         "dailyStartTime": "string",         "dailyStartTime": "string",         "rangeStartDay": "NOW",         "rangeStartTime": "string",         "string",</pre> |   |
|                    | Response Content Type application/json  Parameters Parameter Value Description  | Parameter Type Data Type                    |
|                    | body (required)   | body Model Example Value                    |

Image 7. Time Range POST call.

Find here a couple of JSON format examples to create two different TimeRange objects.

Object 1:

<#root>

{

"name": "

range-obj-1

۳,

```
"recurrenceList": [
    {
      "days": [
        "MON",
"TUE",
        "WED",
"THU",
         "FRI"
      ],
      "recurrenceType": "DAILY_INTERVAL",
      "dailyStartTime": "
00:00
```

```
۳,
      "dailyEndTime": "
```

```
23:50
```

```
۳,
      "type": "recurrence"
    }
 ],
 "type": "timerangeobject"
}
```

```
Object 2:
```

```
<#root>
```

```
{
```

```
"name": "
```

```
range-obj-2
```

```
",
"recurrenceList": [
    {
      "days": [
       "MON"
      ],
      "recurrenceType": "DAILY_INTERVAL",
      "dailyStartTime": "
```

```
12:00
```

۳,

```
"dailyEndTime": "
```

```
13:00
```

```
۳,
      "type": "recurrence"
    }
 ],
 "type": "timerangeobject",
}
```

Step 8. Run the GET call to obtain the TimeRange object IDs.

| Firepower Device Mana | ager Monitoring Policies Objects Device: firepower  |
|-----------------------|---|
| FTD REST API 🔶        | https://10.88.243.61:44370/api/fdm/v6/object/timeranges   |
| API Explorer          | Response Body   |
| Error Catalog         | <pre>"effettiveEndDateTime": "Never End",<br/>"recurrenceList": [</pre>   |
|                       | Response Code   |
|                       | Response Headers  |
|                       | {     "accept-ranges": "bytes",     "cache-control": "no-cache, no-store, max-age=0, must-revalidate",     """""""""""""""""""""""""""""""" |

Image 8. GET response from Time Range.

Step 9. Click the Deploy button in order to validate and apply your changes.

| cisco. Firep  | oower Devi | ce Manager  | Monitoring   | Ø<br>Policies   | :≛⊒:<br>Objects   | Device: firepower  |   |   | ? 🚦  | admin<br>Administrator   |       |
|---------------|------------|---|--|---|---|--|---|---|--|--|-------|
| FTD REST AP   | i ←        | Firepov   | wer Threat [   | Defense I   | REST API  |  |   |   |  |  |       |
| API Explorer  |            | The followi   | ng is a list of resour   | rces you can u  | se for programm   | natic access to the device using th  | e Firepower Threat Defense RES  | T API. The resources are of   | ganized into                                 | groups of related resources. Cli   | ick a |
| Error Catalog |            | group nam<br>documenta                                | to see the availab<br>tion for the resourc   | le methods an<br>e.   | d resources. Cli  | ck a method/resource within a gro  | up to see detailed information. V   | Within a method/resource, c   | ick the Mod                                  | el link under Response Class to  | see   |
|               |            | You can te:<br>POST calls<br>/operationa<br>deploymen | t the various metho<br>create real objects.<br>Il/deploy resource i<br>t after you make an | ods and resour<br>. PUT calls mo<br>in the Deploym<br>y configuration | ces through this<br>dify existing obj<br>ent group. Altho<br>changes. | s page. When you fill in parameter<br>iects. DELETE calls remove real ob<br>ough some changes, such as to th | s and click the <b>Try it Out!</b> button,<br>jects. However, most changes do<br>e management IP address and ot | you interact directly with th<br>o not become active until yo<br>ther system-level changes, | e system. Gi<br>u deploy the<br>do not requi | ET calls retrieve real information.<br>em using the POST<br>re deployment, it is safer to do a |       |
|               |            | The DECT  |  |   |   |  |   |   |  |  |       |

Image 9. Deploy button available from API explorer.

Step 10. Validate the configuration you just created and click **DEPLOY NOW**.

|   | Last Deployment Completed Successfully<br>19 Jul 2023 06:32 PM. <u>See Deployment History</u> |  |   |        |   |
|---|---|--|---|--------|---|
|   | Deployed Version (19 Jul 2023 06:32 PM)   | Pending Version  | G | LEGEND | D |
| > | timerangeobject Added: range-obj-1  |  |   | -      | A |
|   |   | recurrenceList.recurrenceType: DAILY_INTERVAL<br>recurrenceList.dailyStartTime: 00:00<br>recurrenceList.dailyEndTime: 23:50<br>effectiveStartDateTime: Started<br>effectiveEndDateTime: Never End  |   |        |   |
|   | -   | <pre>timeRangeObjectId: 3 name: range-obj-1</pre>  |   |        |   |
|   |   |  | _ | -      |   |
| ) | timerangeobject Added: <i>range-obj-2</i>   | recurrencelist.recurrenceType: DAILY INTERVAL  | - | 1      |   |
| ) | timerangeobject Added: <i>range-obj-2</i><br>-<br>-<br>-                                      | recurrenceList.recurrenceType: DAILY_INTERVAL<br>recurrenceList.dailyStartTime: 12:00<br>recurrenceList.dailyEndTime: 13:00  |   |        |   |
| > | timerangeobject Added: range-obj-2  | recurrenceList.recurrenceType: DAILY_INTERVAL<br>recurrenceList.dailyStartTime: 12:00<br>recurrenceList.dailyEndTime: 13:00<br>effectiveStartDateTime: Started<br>effectiveEndDateTime: Never End<br>timeRangeObjectId: 4<br>name: range-obj-2 |   |        |   |

Image 10. FDM Pending Changes window.

Step 11. Find the AccessPolicy category and open the **POST** call in order to create a time-based access control rule.

| cisco. Firepower Devic | ce Manager Monitoring Policies Objects Device: firepower Device: device: firepower   |
|------------------------|--|
| FTD REST API 🛛 🔶       | Cisco makes no guarantee that the API version included on this Firepower Threat Device (the "API") will be compatible with future releases. Cisco, at any time in its sole discretion, may modify, enhance or otherwise improve the API based on user feedback.  |
| API Explorer           | AAASetting Should be Use Consultant  |
| Error Catalog          | ASPathlist Should be known and a strength and the strengt |
|                        | AccessPolicy Show/Hide List Operations Expand Operations   |
|                        | /policy/accesspolicies/{parentld}/accessrules  |
|                        | Post /policy/accesspolicies/{parentId}/accessrules   |
|                        | /policy/accesspolicies/{parentId}/accessrules/{objid}  |
|                        | vpolicy/accesspolicies/{parentld}/accessrules/{objid}  |
|                        | rut         /policy/accesspolicies/{parentId}/accessrules/{objid}  |
|                        | or /policy/accesspolicies  |
|                        | <pre>out /policy/accesspolicies/{objid}</pre>  |
|                        | Put         /policy/accesspolicies/{objld}   |
|                        | ActiveDirectoryRealm Show/Hide Llst Operations Expand Operations   |
|                        | ActiveUserSessions Show/Hide   List Operations   Expand Operations   |
|                        | AnyConnectClientProfile Show/Hide List Operations Expand Operations  |

Image 11. Access Policy POST call.

Find here a JSON format example to create the time-based ACL which allows traffic from the Inside to the Outside zone.

Ensure to use the correct Time Range object ID.

```
{
  "name": "test_time_range_2",
  "sourceZones": [
    {
          "name": "inside_zone",
          "id": "90c377e0-b3e5-11e5-8db8-651556da7898",
          "type": "securityzone"
    }
  ],
  "destinationZones": [
    {
      "name": "outside_zone",
      "id": "b1af33e1-b3e5-11e5-8db8-afdc0be5453e",
      "type": "securityzone"
    }
  ],
  "ruleAction": "PERMIT",
  "eventLogAction": "
LOG_FLOW_END
  "timeRangeObjects": [
    {
    "id": "
718e6b5c-2697-11ee-a5a7-57e37203b186
...
    "type": "timerangeobject",
    "name": "Time-test2"
    }
  ],
  "type": "accessrule"
```

}

Note: eventLogAction must be LOG\_FIOW\_END in order to log the event at the end of the flow, otherwise it gives an error.

Step 12. Deploy the changes in order to apply the new time-based ACL. The Pending Changes prompt must display the time range object used in Step 10.

|                                   |  |   | admin<br>Administrator |
|-----------------------------------|--|---|------------------------|
| https://10.                       | Pending Changes  |   | • ×                    |
| Response E                        | Last Deployment Completed Successfully<br>19 Jul 2023 07:05 PM. See Deployment History |   |                        |
| {<br>"versio                      | Deployed Version (19 Jul 2023 07:05 PM)  | Pending Version   |                        |
| "name":<br>"ruleId                | C Access Rule Added: test_time_range   |   | ^ ·                    |
| "source<br>{<br>"ve<br>"na<br>"id | -<br>-<br>-<br>timeRangeObjects:   | <pre>logFiles: false eventLogAction: LOG_FLOW_END ruleId: 268435460 name: test_time_range</pre> |                        |
| "ty<br>}                          | -<br>sourceZones:<br>-   | nange-obj-2<br>inside_zone  |                        |
| "destin                           | destinationZones:<br>-   | outside_zone  |                        |
| "ve<br>"na<br>"id<br>"ty          | Access Policy Edited: NGFW-Access-Policy   |   | ·                      |
| ,}                                | More actions $$  | CANCEL  | DEPLOY NOW             |
| esponse (                         |  |   |                        |
| 200                               |  |   |                        |

Image 12. FDM Pending Changes window displays the new rule.

Step 13 (Optional). If you want to edit the ACL, you can use the PUT call and edit the time range ID.

| CISCO. Firepower Device Mana             | ager 10 12 12 12 12 12 12 12 12 12 12 12 12 12   |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  | /policy/accesspolicies/{parentid}/accessrules/{objid}  |  |  |  |  |  |  |
| FID REST APT                             | /policy/accesspolicies/{parentid}/accessrules/{objid}  |  |  |  |  |  |  |
| API Explorer                             |  |  |  |  |  |  |  |
| Error Catalog                            | Implementation Notes           This API call is not allowed on the standby unit in an HA pair.           Response Class (Status 200)   |  |  |  |  |  |  |
|  | Model Example Value  |  |  |  |  |  |  |
|  | <pre>"mame": "string" } }, "sourceletworks": [ { {     "id": "string",     "type": "string",     "wresion": "string",     "mame": "string" } ], </pre>   |  |  |  |  |  |  |
| Response Content Type application/json 💙 |  |  |  |  |  |  |  |
|  | Parameters Description Descrip |  |  |  |  |  |  |
|  | parentId (required) path string  |  |  |  |  |  |  |
|  | eejId path string  |  |  |  |  |  |  |

Image 13. Access Policy PUT call.

Find here the JSON format example in order to edit the time range, these time range IDs can be collected by using the**GET** call.

#### <#root>

```
{
    "version": "flya3jw7wvqg7",
    "name": "test_time_range",
    "ruleId": 268435460,
    "sourceZones": [
    {
        "version": "lypkhscmwq4bq",
        "name": "inside_zone",
    }
}
```

```
"id": "90c377e0-b3e5-11e5-8db8-651556da7898",
"type": "securityzone"
}
],
"destinationZones": [
{
"version": "pytctz6vvfb3i",
"name": "outside_zone",
"id": "b1af33e1-b3e5-11e5-8db8-afdc0be5453e",
"type": "securityzone"
}
],
"sourceNetworks": [],
"destinationNetworks": [],
"sourcePorts": [],
"destinationPorts": [],
"ruleAction": "PERMIT",
"eventLogAction": "LOG_FLOW_END",
"identitySources": [],
"users": [],
"embeddedAppFilter": null,
"urlFilter": null,
"intrusionPolicy": null,
"filePolicy": null,
"logFiles": false,
"syslogServer": null,
"destinationDynamicObjects": [],
"sourceDynamicObjects": [],
"timeRangeObjects": [
{
"version": "i3iohbd5iufol",
"name": "range-obj-1",
"id": "
718e6b5c-2697-11ee-a5a7-57e37203b186
"type": "timerangeobject"
}
],
"id": "0f2e8f56-269b-11ee-a5a7-6f90451d6efd",
"type": "accessrule"
}
```

Step 14. Deploy and validate your changes.

| hager   | P     | ending Changes   |   | 0 X        | 3 Contain Administrator  |
|---|-------|--|---|------------|--------------------------|
| "ve<br>"na<br>"id<br>"ty                                      | 0     | Last Deployment Completed Successfully<br>19 Jul 2023 07:19 PM. See Deployment History |   |            |                          |
| ],<br>"id": "   |       | Deployed Version (19 Jul 2023 07:19 PM)  | Pending Version                                 | C LEGEND   |                          |
| "type":<br>"links"<br>"self                                   | 0     | Access Rule Edited: test_time_range  |   | Â          | -11ee-a5a7-8de2389540a7" |
| }   | 0     | Access Rule Added: test_time_range_2   |   |            |                          |
| 1   |       | -  | logFiles: false<br>eventLogAction: LOG_FLOW_END |            |                          |
| Response C  |       | -  | ruleId: 268435461                               |            |                          |
| 200   |       | -<br>timeRangeObjects:   | name: test_time_range_2                         |            |                          |
|   |       | -  | range-obj-1                                     |            |                          |
| Response F  |       | sourceZones:   |   |            |                          |
| 1   |       | -  | inside_zone                                     |            |                          |
| "accept-r   |       | destinationZones:  | statte see                                      |            |                          |
| "connecti   |       | -  | outside_zone                                    |            |                          |
| "content-<br>"date":<br>"expires"<br>"keep-ali<br>"pragma":   | 0     | Access Policy Edited: NGFW-Access-Policy   |   |            |                          |
| "server":<br>"strict-t<br>"transfer<br>"vary": "<br>"x-conter | N     | NORE ACTIONS V   | CANCEL  | DEPLOY NOW |                          |
| "x-trame-<br>"x-xss-pro<br>}                                  | tecti | ion": "1; mode-blóck"  |   |            |                          |

Image 14. FDM Pending Changes window displays the change of the object.

# Verify

1. Run the show time-range command in order to validate the status of your time range objects.

```
<#root>
>
show time-range
time-range entry:
range-obj-1
(
active
)
periodic weekdays 0:00 to 23:50
time-range entry:
range-obj-2
(
inactive
)
periodic Monday 12:00 to 13:00
```

```
<#root>
```

#### >

show access-control-config

========[ NGFW-Access-Policy ]============= Description : Default Action : Block Logging Configuration DC : Enabled Beginning : Disabled End : Disabled Rule Hits : 0 Variable Set : Object missing: 76fa83ea-c972-11e2-8be8-8e45bb1343c0 ===[ Security Intelligence - Network Whitelist ]==== ===[ Security Intelligence - Network Blacklist ]==== Logging Configuration : Disabled DC : Disabled =====[ Security Intelligence - URL Whitelist ]====== =====[ Security Intelligence - URL Blacklist ]====== Logging Configuration : Disabled DC : Disabled ======[ Rule Set: admin\_category (Built-in) ]======= =====[ Rule Set: standard\_category (Built-in) ]===== -----[ Rule: test\_time\_range ]------Action : Allow Source ISE Metadata : Source Zones : inside\_zone Destination Zones : outside\_zone Users URLs Logging Configuration DC : Enabled Beginning : Disabled End : Enabled Files : Disabled Safe Search : No Rule Hits : 0 Variable Set : Object missing: 76fa83ea-c972-11e2-8be8-8e45bb1343c0 Time Range : range-obj-1 Daily Interval StartTime : 00:00 EndTime : 23:50 Days : Monday,Tuesday,Wednesday,Thursday,Friday

3. Run a System Support Trace debug in order to confirm the traffic is hitting the correct rule.

<#root> > system support trace Enable firewall-engine-debug too? [n]: y Please specify an IP protocol: tcp Please specify a client IP address: Please specify a client port: Please specify a server IP address: Please specify a server port: 443 Monitoring packet tracer and firewall debug messages 10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1 New firewall session 10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1 app event with app id no change, url no chang 10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1 Starting with minimum 1, 'test\_time\_range', a 10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1 match rule order 1, 'test\_time\_range', action Allow 10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1 MidRecovery data sent for rule id: 268435460, 10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1

allow action

10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1 Packet 1930048: TCP \*\*\*\*\*S\*, 07/20-18:05:06. 10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1 Session: new snort session 10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1 AppID: service: (0), client: (0), payload: (0 10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1 Firewall: starting rule matching, zone 2 -> 1 10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1

Firewall: allow rule, 'test\_time\_range', allow

10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1 Policies: Network 0, Inspection 0, Detection 10.10.10.3 62360 -> Destination IP 443 6 AS=0 ID=3 GR=1-1 Verdict:

pass