

# Add HTTP Caching Rule

To add an HTTP caching rule, use the following request:

```
POST /cdn_resources/:cdn_resource_id/http_caching_rules.xml
```

```
POST /cdn_resources/:cdn_resource_id/http_caching_rules.json
```

## XML Request example:

```
curl -i -X POST -u user:userpass -H 'Accept: application/xml' -H 'Content-type: application/xml' --url 'http://onapp.test/cdn_resources/:cdn_resource_id/http_caching_rules.xml' -d '<rule><name>some_name</name><conditions><0><connective>if</connective><subject>url</subject><predicate>default</predicate><value></value></0><1><connective>and</connective><subject>cookie</subject><cookie></cookie><predicate>default</predicate><value></value></1><2><connective>and</connective><subject>param</subject><param></param><predicate>default</predicate><value></value></2><3><connective>and</connective><subject>header</subject><header></header><predicate>default</predicate><value></value></3></conditions><actions><0><act>force edge to cache</act><seconds></seconds></0><1><act>redirect client</act><url></url></1><2><act>set response header</act><header></header><value></value></2><3><act>set custom origin</act><value></value></3></actions></rule>'
```

## JSON Request example:

```
curl -i -X POST -u user:userpass -H 'Accept: application/json' -H 'Content-type: application/json' --url 'http://onapp.test/cdn_resources/:cdn_resource_id/http_caching_rules.json' -d '{"rule": {"name": "some_name", "conditions": {"0": {"connective": "if", "subject": "url", "predicate": "default", "value": ""}, "1": {"connective": "and", "subject": "cookie", "cookie": "", "predicate": "default", "value": ""}, "2": {"connective": "and", "subject": "param", "param": "", "predicate": "default", "value": ""}, "3": {"connective": "and", "subject": "header", "header": "", "predicate": "default", "value": ""}}, "actions": {"0": {"act": "force edge to cache", "seconds": ""}, "1": {"act": "redirect client", "url": ""}, "2": {"act": "set response header", "header": "", "value": ""}, "3": {"act": "set custom origin", "value": ""}}}'
```

## Where:

*name* - name of the rule

*conditions* - the array of parameters of the conditions associated with the rule

*connective* - the connective by which the conditions are bonded, either 'and' or 'or'.

*subject* - the subject of the condition. The subject should be written using small letters only and with spaces between the words. For the list of subjects you can set for a rule refer to [The List of Subjects](#).

*predicate* - the predicate of the condition. The predicate should be written using small letters only and with spaces between the words. For the list of predicates you can set for a rule refer to [The List of Predicates](#).

*value* - the value against which the subject is compared.

*header* - the subject that selects the value of a specific client request header. If the request header does not exist, then the value "" is selected.

*act* - the action associated with the rule. The action should be written using small letters only and with spaces between the words. For the list of actions you can set for a rule refer to [The list of Actions](#).

*url* - the subject that selects the URL part of the request. It excludes the query string.

*cookie* - the subject that selects the value of a specific cookie sent by the client.

*param* - the subject that selects the value of a specific query string parameter. If there are multiple identical keys, the last value is selected.

*seconds* - the time in seconds set for the action. For more information, refer to [The list of Actions](#).