

CDAP log appender

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The CDAP log appender is responsible for the logs transfer to the CDAP platform. Logs are stored in a stream that is specified by the *stream* configuration parameter.

Creating CDAP log appender in Admin UI

The easiest way to create a CDAP log appender for your application is by using [Admin UI](#).

Creating CDAP log appender with REST API

It is also possible to create a CDAP log appender for your application by using REST API. The following example illustrates how to provision the CDAP log appender via REST API.

Configuration

The CDAP log appender configuration should match the following Avro schema.

```
{
  "namespace": "org.kaaproject.kaa.server.appenders.cdap.config.gen",
  "type": "record",
  "name": "CdapConfig",
  "fields": [
    {
      "name": "stream",
      "displayName": "Stream",
      "default": "stream",
      "type": "string"
    },
    {
      "name": "host",
      "displayName": "Host",
      "default": "localhost",
      "type": "string"
    },
    {
      "name": "port",
      "displayName": "Port",
      "default": 10000,
      "type": "int"
    },
    {
      "name": "ssl",
      "displayName": "Use SSL",
      "optional": true,
      "type": [
        "boolean",
        "null"
      ]
    },
    {
      "name": "verifySslCert",
      "displayName": "Validate SSL Certificate",
      "optional": true,
      "type": [
        "boolean",
        "null"
      ]
    },
    {
      "name": "writerPoolSize",
      "displayName": "Writer thread/connection pool size",
      "optional": true,

```

```

    "type":[
      "int",
      "null"
    ]
  },
  {
    "name":"callbackThreadPoolSize",
    "displayName":"Callback thread pool size",
    "optional":true,
    "default":2,
    "type":[
      "int",
      "null"
    ]
  },
  {
    "name":"version",
    "displayName":"Version",
    "optional":true,
    "type":[
      "string",
      "null"
    ]
  },
  {
    "name":"authClient",
    "displayName":"Authentication client class name",
    "optional":true,
    "type":[
      "string",
      "null"
    ]
  },
  {
    "name":"username",
    "displayName":"Username",
    "optional":true,
    "type":[
      "string",
      "null"
    ]
  },
  {
    "name":"password",
    "displayName":"Password",
    "optional":true,
    "type":[
      "string",
      "null"
    ]
  }
]
}

```

The following configuration example matches the previous schema.

```

{
  "stream":"testStreamName",
  "host":"localhost",
  "port":10000,
  "ssl":null,
  "verifySslCert":null,
  "writerPoolSize":null,
  "callbackThreadPoolSize":{
    "int":2
  },
  "version":null,
  "authClient":null,
  "username":null,
  "password":null
}

```

Administration

The following REST API call example illustrates how to create a new CDAP log appender.

```

curl -v -S -u devuser:devuser123 -X POST -H 'Content-Type: application/json' -d '{"pluginClassName": "org.kaaproject.kaa.server.appenders.cdap.appender.CdapLogAppender", "applicationId": 119, "applicationToken": "91786338058670361194", "jsonConfiguration": "{\\"stream\\":\\"stream\\",\\"host\\":\\"localhost\\",\\"port\\":10000,\\"ssl\\":null,\\"verifySslCert\\":null,\\"writerPoolSize\\":null,\\"callbackThreadPoolSize\\":{\\"int\\":2},\\"version\\":null,\\"authClient\\":null,\\"username\\":null,\\"password\\":null}", "description": "New sample Mongo db log appender", "headerStructure": [ "KEYHASH", "TIMESTAMP" ], "name": "New Mongo DB appender", "maxLogSchemaVersion": 2147483647, "minLogSchemaVersion": 1, "tenantId": "70"}' "http://localhost:8080/kaaAdmin/rest/api/logAppender" | python -mjson.tool

```

```

{
  "appenderClassName":"org.kaaproject.kaa.server.appenders.cdap.appender.CdapLogAppender",
  "applicationId":"70",
  "applicationToken":"946558468095768",
  "configuration":"{\\"stream\\":\\"stream\\",\\"host\\":\\"localhost\\",\\"port\\":10000,\\"ssl\\":null,\\"verifySslCert\\":null,\\"writerPoolSize\\":null,\\"callbackThreadPoolSize\\":{\\"int\\":2},\\"version\\":null,\\"authClient\\":null,\\"username\\":null,\\"password\\":null}",
  "createTime":1417105293146,
  "createdUsername":"devuser",
  "description":"Sample Cdap appender",
  "headerStructure":[
    "KEYHASH",
    "TOKEN"
  ],
  "id":"165",
  "name":"Cdap appender",
  "maxLogSchemaVersion": 2147483647,
  "minLogSchemaVersion": 1,
  "status":"REGISTERED",
  "tenantId":"10",
  "typeName":"Cdap"
}

```