

Consumer API reference

Each API endpoint is documented on a separate page. Pages are version controlled.

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Overview

This page lists every endpoint provided by the Consumer API which is a RESTful API consumed by the Tachyon Explorer UI and other Consumers. Although Tachyon has other APIs, the Consumer API is the only one supported for use by third party Consumers.

The URL used for requests is `https://{tachyonConsumerServer}/Consumer/{request}`

The text shown in example responses is spaced out for readability, normally they are compacted JSON on a single line with no white space between fields to minimize transmitted data.

API endpoints can be viewed and tested using a tool like the Postman, Fiddler or Advanced REST client extension for Chrome, but your chosen tool must support Windows Authentication.



In lab and test environments it's possible to configure Tachyon to use Basic Authentication over HTTPS using tools that only support this protocol where you would pass credentials explicitly rather than rely on NTLM challenge/response authentication.

This is useful where the account context in which the API call is made is not the account context in which you'd like the call processed. For example, when interacting with subsystems such as Workflow you may wish to make calls in the context of the requester and the responder but without having to switch interactive desktop sessions as the caller.

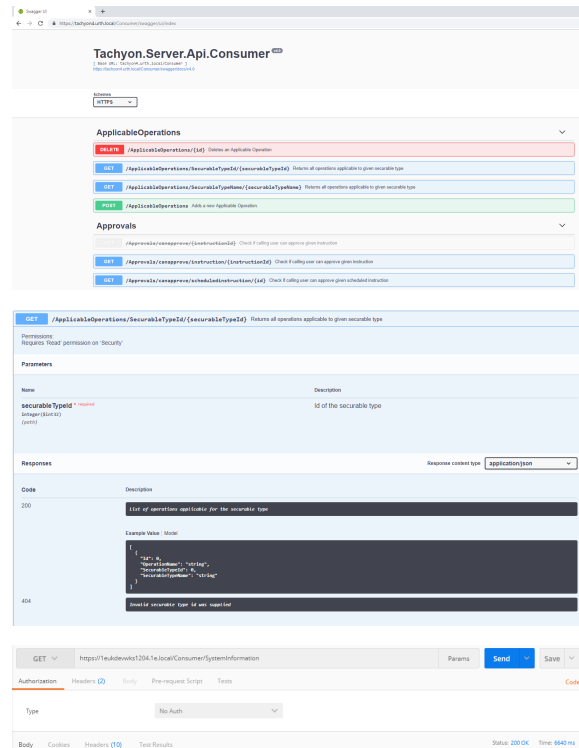
Exploring the API using the web browser

Although the Tachyon Consumer API is documented in the child pages to this page, you can also explore it using the inbuilt API documentation. This is available through your browser and managed through the Swagger subsystem by browsing to:

`https://<tachyon server>/Consumer/swagger`

Where `<tachyon server>` is the URL of your Tachyon Server, which redirects to the API reference page.

Each API is expandable, by clicking on it, you can view additional information about the API.



Tool settings

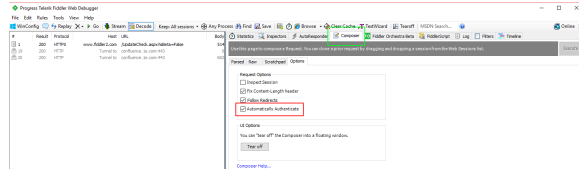
Postman

In Postman this setting and support for Windows Authentication, varies from version to version. For example, in the Chrome App version it's done automatically when **No Auth** option is selected.

In new standalone application, you should select 'NTLM Authentication (Beta)' and fill in the 'UserName', 'Password' and 'Domain' fields.

Fiddler

In Fiddler check **Automatically Authenticate** on the **Composer->Options** tab.



Advanced REST client

Google App Runtime for Chrome (ARC) requires the XHR extension turned on (the triple dot menu, top right of the window).

Error Conditions

If an error occurs, for example you use `/Consumer/InstructionDefinitions/33333` when there are only 23 instruction definitions, the Consumer API returns a 404 error and XML error message, for example:

```
HTTP/1.1 404 Not Found
Cache-Control: no-cache
Pragma: no-cache
Content-Type: application/xml; charset=utf-8
Expires: -1
Server: Microsoft-IIS/10.0
X-AspNet-Version: 4.0.30319
Persistent-Auth: true
X-Powered-By: ASP.NET
Date: Thu, 04 Feb 2016 11:34:59 GMT
Content-Length: 142
{
  "Message": "No HTTP resource was found that matches the request URI ' https://tachyondogfood.1e.local
/Consumer/InstructionDefinitions/33333 ' ."
}
```

Consumer API SDK assembly

From v1.7 Tachyon provides an assembly to consume Consumer API. This assembly is versioned and wraps all the consumer API end points available in a version.

Release Notes

Api changes between Tachyon 4.0 and 4.1

There have been no API endpoints introduced, deprecated or removed in version 4.1.

Api changes between Tachyon 4.1 and 5.0

- Consumer/PrincipalSearch method using GET verb is now **deprecated** and will be removed in a future version. Please use Consumer /PrincipalSearch using POST verb instead.
- Consumer/PrincipalSearch method using POST verb has been added to augment Active Directory user and group search with the capability to request limiting the number of results returned, define sorting and explicitly specify type of AD objects to search (users, groups or both)
- Consumer/SystemInformation/IsConsumerLicensed/Name/{name} method using GET verb has been added to allow checking consumer's licensed status by consumer name.
- Consumer/SystemInformation/IsConsumerLicensed/Id/{id} method using GET verb has been added to allow checking consumer's licensed status by consumer Id.
- Consumer/SystemInformation/LicensedConsumers method using GET verb has been added to allow retrieval of all licensed consumers.
- Consumer/EventSubscriptionAssignments API has been introduced. It has 5 methods. This API and its methods have been introduced to support eventing mechanism.
- Consumer/EventSubscriptions API has been introduced. It has 10 methods. This API and its methods have been introduced to support eventing mechanism.

- [ApplicableOperations](#)

Entity - Role Based Access Control - Interrogates the SecurableType table in the database

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- [Approvals](#)

Entity - Approvals - Handles instruction approval

Page version: 21, last updated: 8:45PM, 25-Sep-20

- [AuditLogs](#)

Entity - Approvals - Handles audit log entries

Page version: 6, last updated: 8:45PM, 25-Sep-20

- [Authentication](#)

Entity - Authentication - Handles user authentication

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- [ComponentHealthManager](#)

Minimum API version 5.1

Web	Request	Notes	Permission Required
GET	/Consumer/ComponeneHealthManager	Returns all information about component health for the entire system	'Read' on 'Infrastructure'

- [Consumers](#)

Entity - Consumers - Handles Consumers within the system

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- [CustomProperties](#)

Entity - Custom property

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- [CustomPropertyTypes](#)

Entity - Custom property type

Page version: 10, last updated: 8:45PM, 25-Sep-20

- [CustomPropertyValues](#)

Entity - Custom property value

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- [DataExport](#)

Entity - Data Export - Exports information from the system

Page version: 22, last updated: 8:45PM, 25-Sep-20

- [Deploy](#)

Entity - Deployment - Interrogates the AgentDeploymentJob and AgentDeploymentDevice tables

Page version: 46, last updated: 8:48PM, 25-Sep-20

- [Devices](#)

Entity - Devices - Interrogates the Devices table in the database

Page version: 52, last updated: 2:23PM, 26-May-21

- [EventSource](#)

Entity - EventSource - handles Event Sources

Minimum API version 5.1

Verb	Request	Notes	Permissions required
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- [EventSubscriptionAssignments](#)

Entity - EventSubscriptionAssignments - handles Event Subscription Assignments

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Minimum API version 5.0

- [EventSubscriptions](#)

Entity - EventSubscriptions - handles Event Subscriptions

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Minimum API version 5.0

- [Expressions](#)

Entity - Expressions - Provides services pertaining expressions

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- [Fragments](#)

Entity - Fragments

Minimum API version 4.0

Verb	Request	Notes	Permission required
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- [Information \(default\)](#)

Entity - Information - Consumer API information (default)

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- [InstructionDefinitions](#)

Entity - Instruction Definitions - Interrogates the InstructionDefinition table

Page version: 40, last updated: 8:45PM, 25-Sep-20

- [InstructionHierarchies](#)

Entity - InstructionHierarchies - Interrogates related instruction definitions

Page version: 6, last updated: 8:45PM, 25-Sep-20

- [Instructions](#)

Entity - Instructions (Questions and Actions) - Interrogates the Instruction table

Page version: 44, last updated: 8:45PM, 25-Sep-20

- [InstructionSets](#)

Entity - InstructionSets - handles instruction set management

Page version: 12, last updated: 8:45PM, 25-Sep-20

Minimum API version 3.1

- [InstructionStatistics](#)

Entity - Instruction Statistics - handles instruction statistics

Page version: 9, last updated: 8:45PM, 25-Sep-20

- [ManagementGroups](#)

Entity - ManagementGroups - handles management groups

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Minimum API version 3.3

- [Notifications](#)

Entity - Notifications - handles system notifications

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- [Permissions](#)

Entity - Role Based Access Control - Interrogates the Permission table in the database

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- [Policies](#)

Entity - Policies

Minimum API version 4.0

Verb	Request	Notes	Permissions required
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- [Policy](#)

Entity - Policy

Minimum API version 4.0

Verb	Request	Notes	Permissions required
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- [PolicyAssignments](#)

Entity - Policy Assignments

Minimum API version 4.0

Verb	Request	Notes	Permissions required
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- [PrincipalRoles](#)

Entity - Role Based Access Control - Interrogates the PrincipleRole table in the database

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- [Principals](#)

Entity - Role Based Access Control - Interrogates the Principal table in the database

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- [PrincipalSearch](#)

Entity - Role Based Access Control - Interrogates the User and Groups in Active Directory

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- [ProductPacks](#)

Entity - Product Packs

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- [RelatedInstructionDefinitions](#)

Entity - Related Instruction Definitions

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- [ResponseErrors](#)

Entity - Response Errors

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- [Responses](#)

Entity - Response

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- [ResponseTemplates](#)

Entity - ResponseTemplates - handles Response Templates

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- [Role](#)

Entity - Role Based Access Control - Interrogates the Roles table in the database

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- [Rules](#)

Entity - Rules

Minimum API version 4.0

Verb	Request	Notes	Permissions Required
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- [ScheduledInstructions](#)

Entity - ScheduledInstructions - Interrogates the ScheduledInstruction table

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- [SecurableTypes](#)

Entity - Role Based Access Control - Interrogates the SecurableType table in the database

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- [Settings](#)

Entity - Global Settings - Interrogates Global Settings table

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- [SystemInformation](#)

Entity - System Information - Returns information about the system

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- [SystemStatistics](#)

Entity - System Statistics - Interrogates the instrumentation statistics of the system

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- [Tasks](#)

Entity - Tasks- handles Tasks and Task Groups

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- [TriggerTemplates](#)

Entity - Trigger templates

Minimum API version 4.0

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