

Integrating with Tachyon

Summary

Integrate software with Tachyon using public facing Application Programming Interfaces (API).

The main purpose of Tachyon is to enable super-fast investigation of your network environment to retrieve sets of devices that you can then run immediate actions on.

In this section...

[Introduction](#)

How you can integrate software with Tachyon using public facing Application Programming Interfaces (API).

- [API testing tools](#)

[Tachyon RunInstruction command-line tool](#)

Tachyon RunInstruction command-line tool is a stand-alone command line (CLI) tool that supports submission of a Tachyon instruction, question or action to a set of computers.

[Consumer API reference](#)

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

- [ApplicableOperations](#) — Entity - Role Based Access Control - Interrogates the SecurableType table in the database
- [Approvals](#) — Entity - Approvals - Handles instruction approval
- [AuditLogs](#) — Entity - Approvals - Handles audit log entries
- [Authentication](#) — Entity - Authentication - Handles user authentication
- [ComponentHealthManager](#)
- [Consumers](#) — Entity - Consumers - Handles Consumers within the system
- [CustomProperties](#) — Entity - Custom property
- [CustomPropertyTypes](#) — Entity - Custom property type
- [CustomPropertyValues](#) — Entity - Custom property value
- [DataExport](#) — Entity - Data Export - Exports information from the system
- [Deploy](#) — Entity - Deployment - Interrogates the AgentDeploymentJob and AgentDeploymentDevice tables
- [Devices](#) — Entity - Devices - Interrogates the Devices table in the database
- [EventSource](#)
- [EventSubscriptionAssignments](#) — Entity - EventSubscriptionAssignments - handles Event Subscription Assignments
- [EventSubscriptions](#) — Entity - EventSubscriptions - handles Event Subscriptions
- [Expressions](#) — Entity - Expressions - Provides services pertaining expressions
- [Fragments](#)
- [Information \(default\)](#) — Entity - Information - Consumer API information (default)
- [InstructionDefinitions](#) — Entity - Instruction Definitions - Interrogates the InstructionDefinition table
- [InstructionHierarchies](#) — Entity - InstructionHierarchies - Interrogates related instruction definitions
- [Instructions](#) — Entity - Instructions (Questions and Actions) - Interrogates the Instruction table
- [InstructionSets](#) — Entity - InstructionSets - handles instruction set management
- [InstructionStatistics](#) — Entity - Instruction Statistics - handles instruction statistics
- [ManagementGroups](#) — Entity - ManagementGroups - handles management groups
- [Notifications](#) — Entity - Notifications - handles system notifications
- [Permissions](#) — Entity - Role Based Access Control - Interrogates the Permission table in the database
- [Policies](#)
- [Policy](#)
- [PolicyAssignments](#)
- [PrincipalRoleManagementGroups](#) — Entity - Role Based Access Control - Interrogates the PrincipalRoleManagementGroup table in the database
- [PrincipalRoles](#) — Entity - Role Based Access Control - Interrogates the PrincipleRole table in the database
- [Principals](#) — Entity - Role Based Access Control - Interrogates the Principal table in the database
- [PrincipalSearch](#) — Entity - Role Based Access Control - Interrogates the User and Groups in Active Directory
- [ProductPacks](#) — Entity - Product Packs
- [RelatedInstructionDefinitions](#) — Entity - Related Instruction Definitions
- [ResponseErrors](#) — Entity - Response Errors
- [Responses](#) — Entity - Response
- [ResponseTemplates](#) — Entity - ResponseTemplates - handles Response Templates
- [Role](#) — Entity - Role Based Access Control - Interrogates the Roles table in the database
- [Rules](#)
- [ScheduledInstructions](#) — Entity - ScheduledInstructions - Interrogates the ScheduledInstruction table
- [SecurableTypes](#) — Entity - Role Based Access Control - Interrogates the SecurableType table in the database
- [Settings](#) — Entity - Global Settings - Interrogates Global Settings table
- [SystemInformation](#) — Entity - System Information - Returns information about the system
- [SystemStatistics](#) — Entity - System Statistics - Interrogates the instrumentation statistics of the system
- [Tasks](#) — Entity - Tasks- handles Tasks and Task Groups
- [TriggerTemplates](#)

Tachyon .NET Consumer SDK

Tachyon .NET Consumer SDK is a self-contained C# .NET 4 assembly consisting of Consumer and Offloading SDKs.

- [Tachyon Consumer SDK library](#) — This SDK is an object oriented abstraction of Tachyon's Consumer API. It's designed to facilitate integration of 3rd party code with Tachyon through the API.
- [Tachyon Offloading SDK library](#) — This SDK has been created to simplify creation of software that will function as an offloading client, receiving responses from Tachyon.
- [Tachyon SDK release information](#) — Details of the Tachyon release history, current release notes and details of third-party licenses.

Using scope and filter expressions

How to use create Expression objects used by many API endpoints as filter or scope definitions.

- [Defining a filter](#)
- [Defining the scope](#)
- [Sort Definition](#)

How to guides

Section describing some basic and common Tachyon operations using the Consumer API and Consumer SDK.

- Add and remove Instruction Definitions and organize them into Instruction Sets
- Find the right instruction definition
- Getting data from Tachyon clients
- Handling errors returned by Tachyon
- Issue an instruction, track its progress and retrieve responses
- Set up an instruction to be executed on a schedule
- Set up Principals, Roles and Permissions, for Tachyon version 8.0 and later
- Set up Principals, Roles and Permissions, up to and including Tachyon version 5.2