

# Writing Tachyon Instructions

## Summary

How to write instructions using SCALE and the Tachyon Instruction Management Studio (TIMS).

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.



This documentation refers to the Tachyon Agent, which is the old name for Tachyon client features of the 1E Client. In Tachyon 4.1 the Tachyon Agent was renamed as the 1E Client, which also provides client modules for Nomad, PXE Everywhere, Shopping/WSA and WakeUp. The Nomad client module has some methods available for use in SCALE.

### In this section...

#### [Getting started with TIMS](#)

Steps to create a simple instruction using Tachyon Instruction Management Studio (TIMS).

#### [Installing TIMS](#)

Installing Tachyon Instruction Management Studio (TIMS).

#### [Running instructions in Tachyon for the first time](#)

A getting started guide to configuring and verifying your Tachyon system so that you can run customized Tachyon Instructions.

#### [Instruction Definition Reference](#)

Tachyon Instruction Definition format and attributes.

#### [SCALE User Guide](#)

Understanding the Tachyon client language: SCALE - Simple Cross-platform Agent Language for Extensibility.

- [Datetime handling](#) — Guidance and examples for using date and time values in instructions.
- [Tachyon Activity Record](#) — Reference information about the Tachyon Activity Record (TAR) feature, sometimes referred to as either the inventory, or forensics feature, and previously known as Agent Historic Data Capture.
- [Tags](#) — Guidance and examples for using tags in instructions.
- [User Defined Persistent Storage Tables](#) — Guidance and examples for the User Defined Persistent Storage feature.

#### [Functions and Methods Reference](#)

Tables showing the earliest version of the Agent in which a function or method was implemented, and on which OS, with links to full details.

- [Tachyon Agent Methods](#) — Alphabetic listing of Agent methods. Under this page are separate pages with full details for each function.
- [Tachyon Agent Built-in Functions](#) — Alphabetic listing of Agent built-in functions. Under this page are separate pages with full details for each function.
- [Tachyon Agent Built-in Keywords](#) — Alphabetic listing of Agent built-in keywords.
- [Tachyon Agent SQL Functions](#) — Alphabetic listing of Agent SQL functions. Under this page are separate pages with full details for each function.

#### [Custom Response Visualizations](#)

Adding custom response visualizations to instruction definitions.

- [Custom Response Definitions](#) — Definition of the format of JSON object used for Custom Response Visualizations.
- [Built-in Processors Reference](#) — Built-in processors for response visualizations.
- [Custom Processors](#) — Custom processors for response visualizations.

#### [Training Lab Guide - Advanced](#)

Advanced training covers installing TIMS, writing instructions, and extending Guaranteed State.