Module 9

Advanced Features:

Simulation Engine

IPFUSION

Overview

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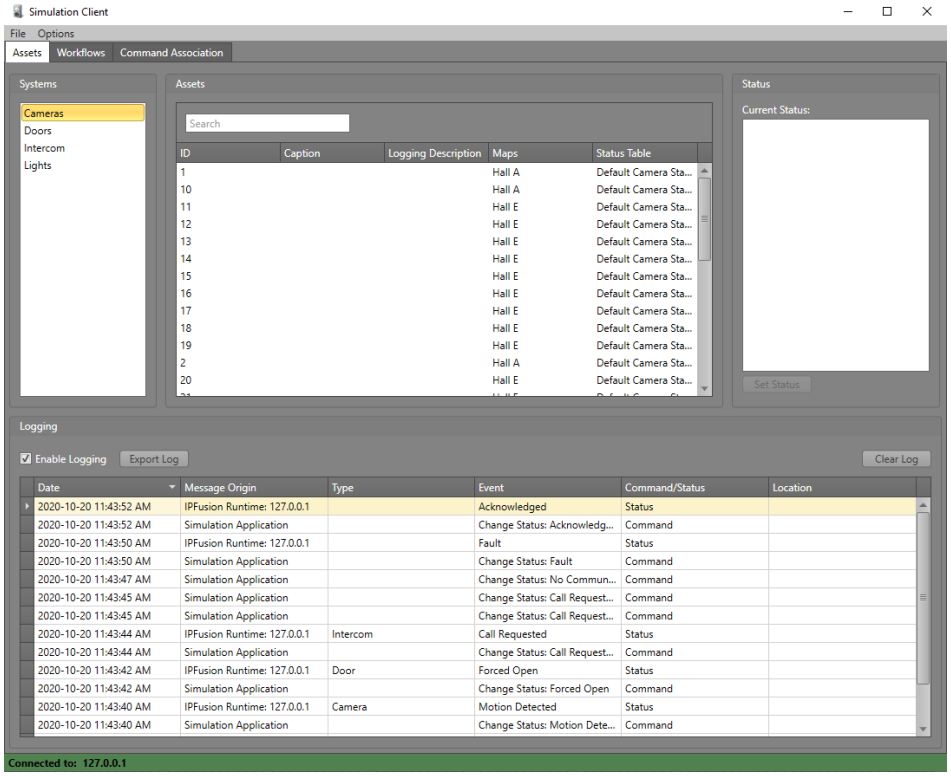
Overview

- Test project configuration without connecting to real devices.
- Simulate asset states, commands, Workflow executions, etc.
- Enhance training and demonstration of the system.



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Launching Runtime in Simulation Mode

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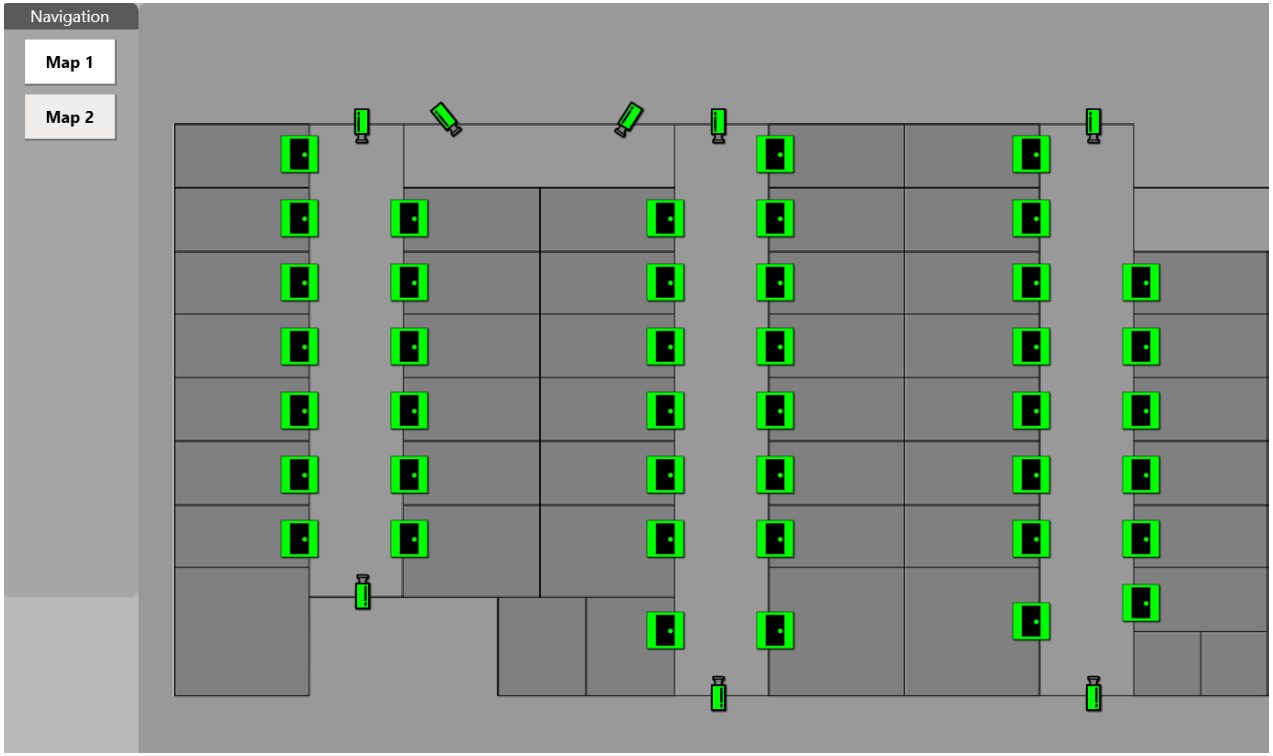
Runtime Simulation Mode

- Select the **Simulation** option in the **Home** tab in the Designer.
- Project will open with assets simulating their connection states.



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Launching and Connecting the Simulation Client

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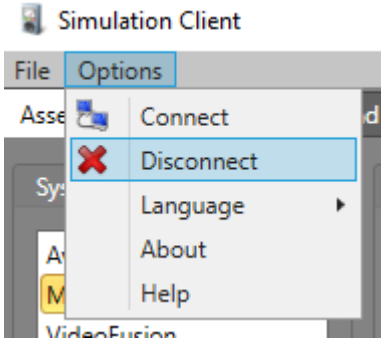
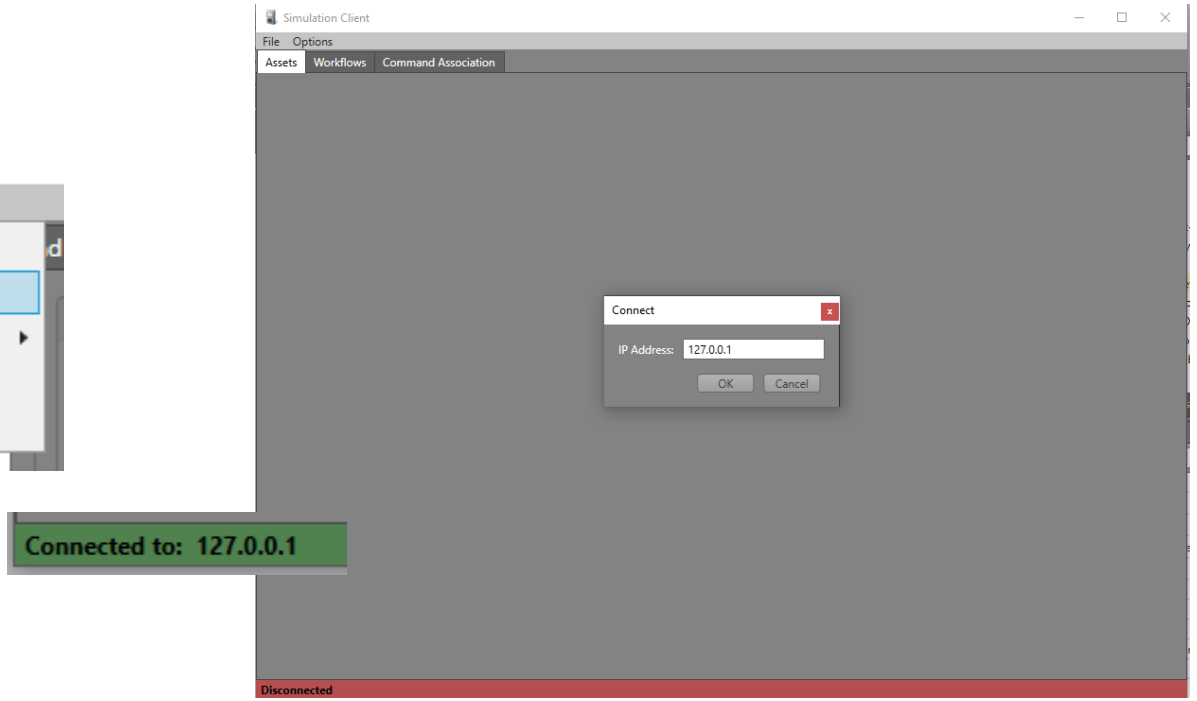
Launching the Simulation Client

- Launching the application will prompt users to connect to a Runtime Simulation.
  - Can connect to local computer or a remote instance via IP Address or host name.
- Users can connect and disconnect anytime via Connection menu.





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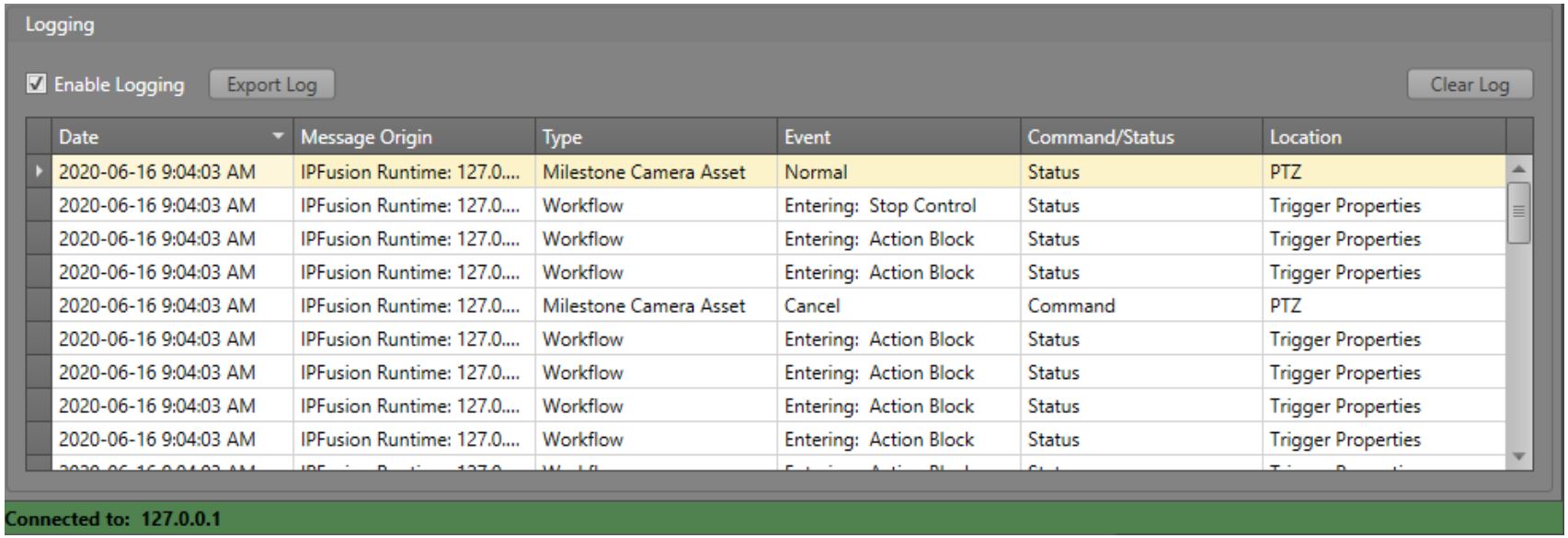
Live Logging

Live Logging

- All actions done in the **Runtime Simulation** and the **Simulation Client** are logged and displayed live.
- Users can export the logs as a file.



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Simulating Device Statuses

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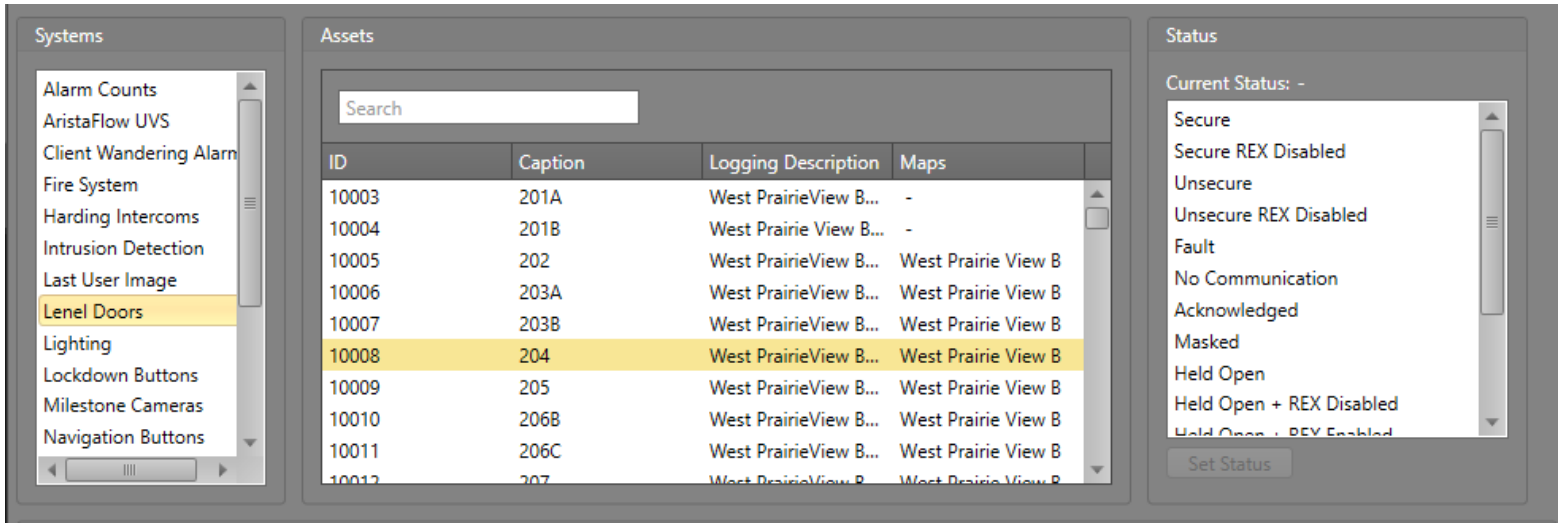
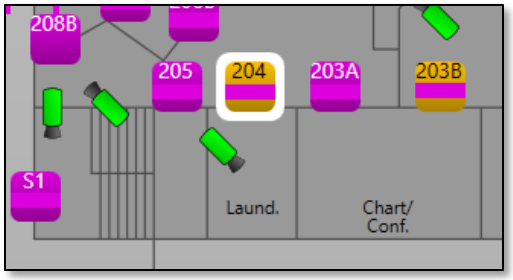
Simulating Device Statuses

- All integrated systems and assets in the project will be listed.
- Search for the specific asset and select the state to simulate.





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Creating Command Associations

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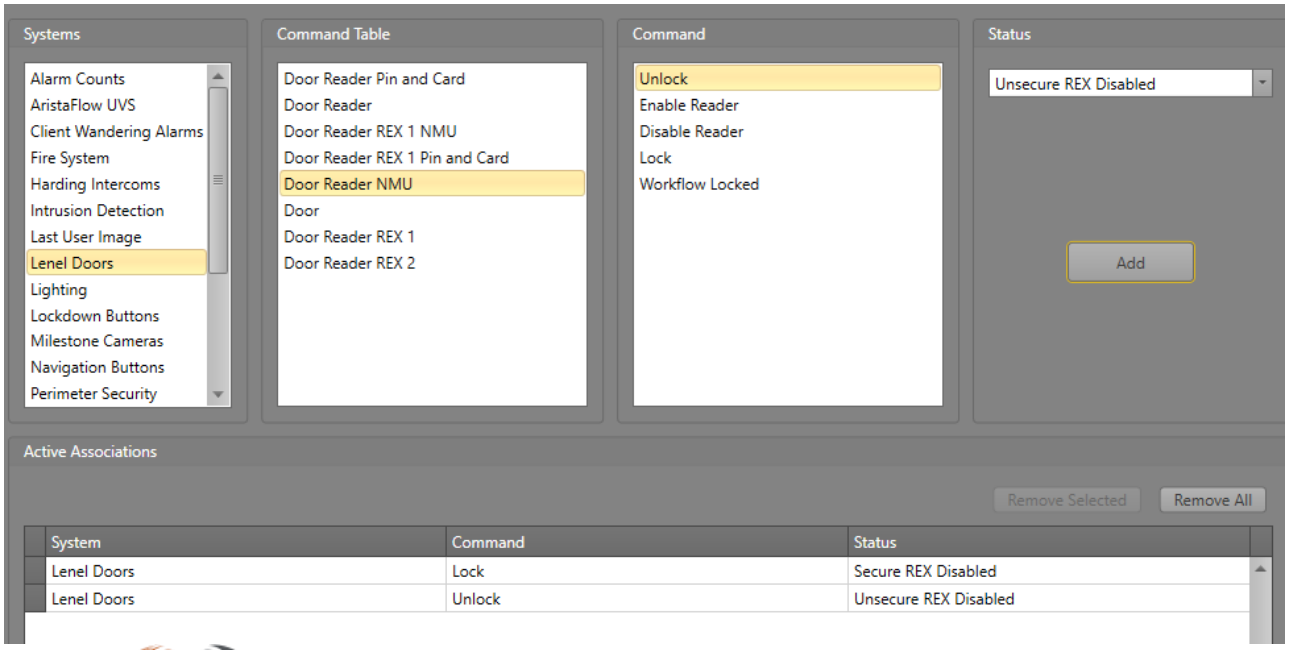
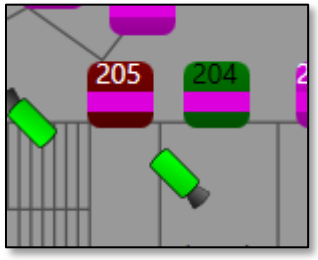
Command Associations

- By default, commands besides the built-in IPFusion ones do not change the asset status.
- Create **Command Associations** in order to simulate the integrated system specific state changes.





Left door - Unlock
Right door - Lock

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Executing Workflows

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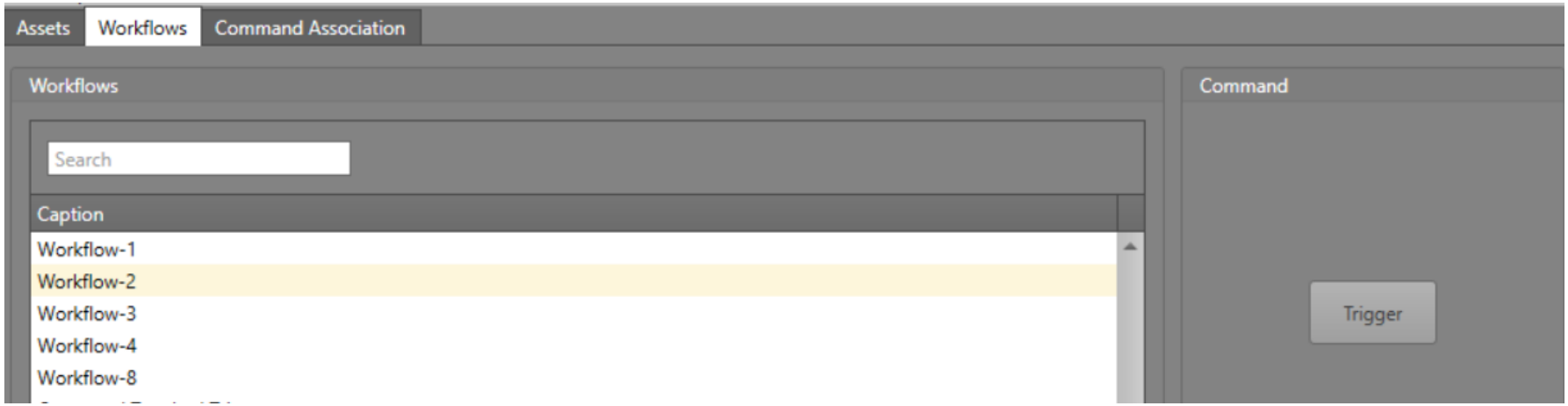
Executing Workflows

- Workflows can be triggered by selecting the **Workflows** tab, clicking the Workflow then **Trigger**.
- Allows you to see how a Workflow will execute in Runtime.



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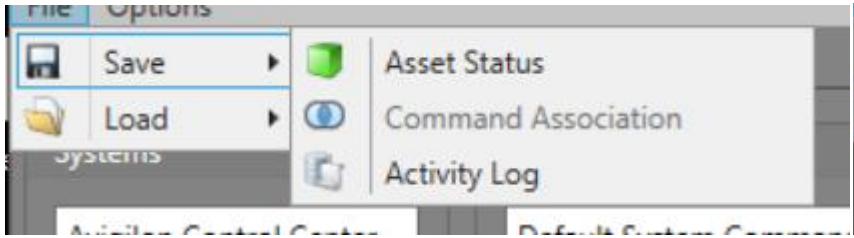
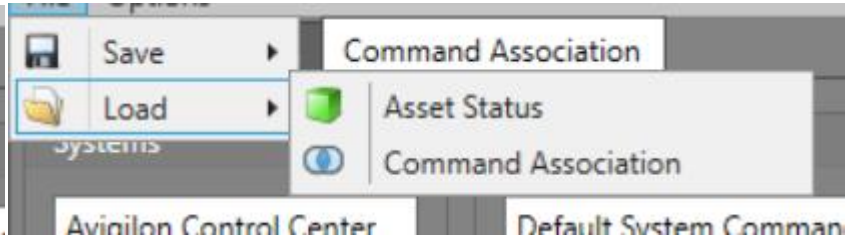
Saving/Loading Settings and Associations

- Users can save the state of the simulated assets and load them for later observations and debugging.
- The same goes for the **Command Associations** declared.
- Saves them as csv files, so they can be edited outside the **Simulation** App.





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Module 9 Complete

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