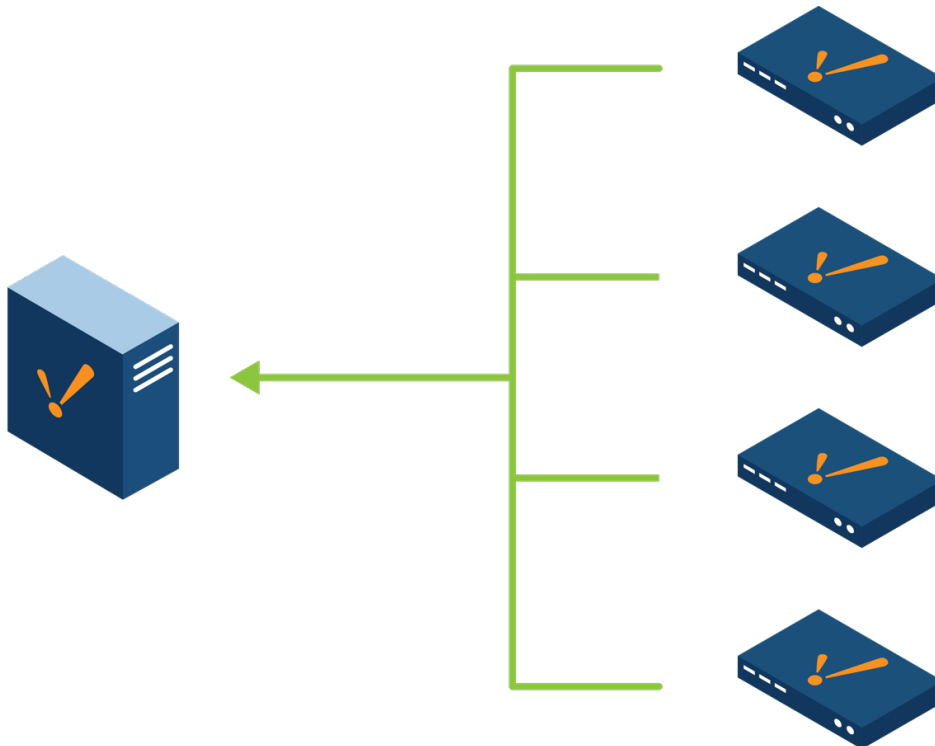


# Enterprise Architecture

## Overview

Many types of architecture involve multiple Ignition servers. Eventually, some assistance overseeing each server can be helpful. Enterprise Architecture typically involves having a mechanism to monitor and manage multiple Ignition Gateways. This involves utilizing the [Enterprise Administration Module \(EAM\)](#).

EAM specifies one Gateway as the Controller, and the others as Agents. Connections between these Gateways take advantage of the [Gateway Network](#), which is a secure method multiple Gateways can use to share information.



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## Enterprise Architecture

[Watch the Video](#)

## Why Use Enterprise Architecture

### System Management

Monitoring the health of several systems can be time consuming. EAM streamlines system management by having each Gateway report to a single Controller Gateway. This Controller can then generate alarms when problems occur, or assist in recovering from a hardware failure. Agent events can be stored in a SQL database, and easily incorporated into an Ignition Report. The best part is that the EAM can easily be incorporated into any architecture where multiple Gateways are present.

### Project Synchronization

When multiple Gateways are used to launch clients, such as in the [Hub and Spoke Architecture](#), standardizing the look and feel of projects across both Gateways is important for a consistent organization. With EAM, the Controller can synchronize resources across multiple Agents, allowing development to occur on one Gateway, and updates pushed out to other Agent automatically.

### Related Topics ...

- [Edge Architectures](#)

