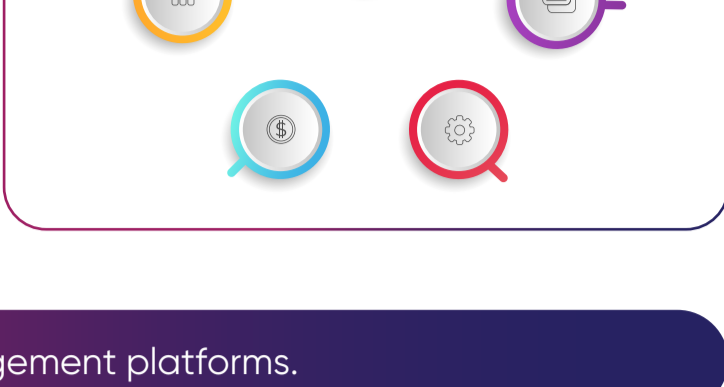


HIKVISION HikCentral Optimus Integration Solution



In a typical large HikCentral Professional project, there are likely to be lots of products/systems from multiple manufacturers. Customers are always looking for a central management platform that can manage all devices and even systems. This is where **HikCentral Optimus Integration Solution** can help your business.



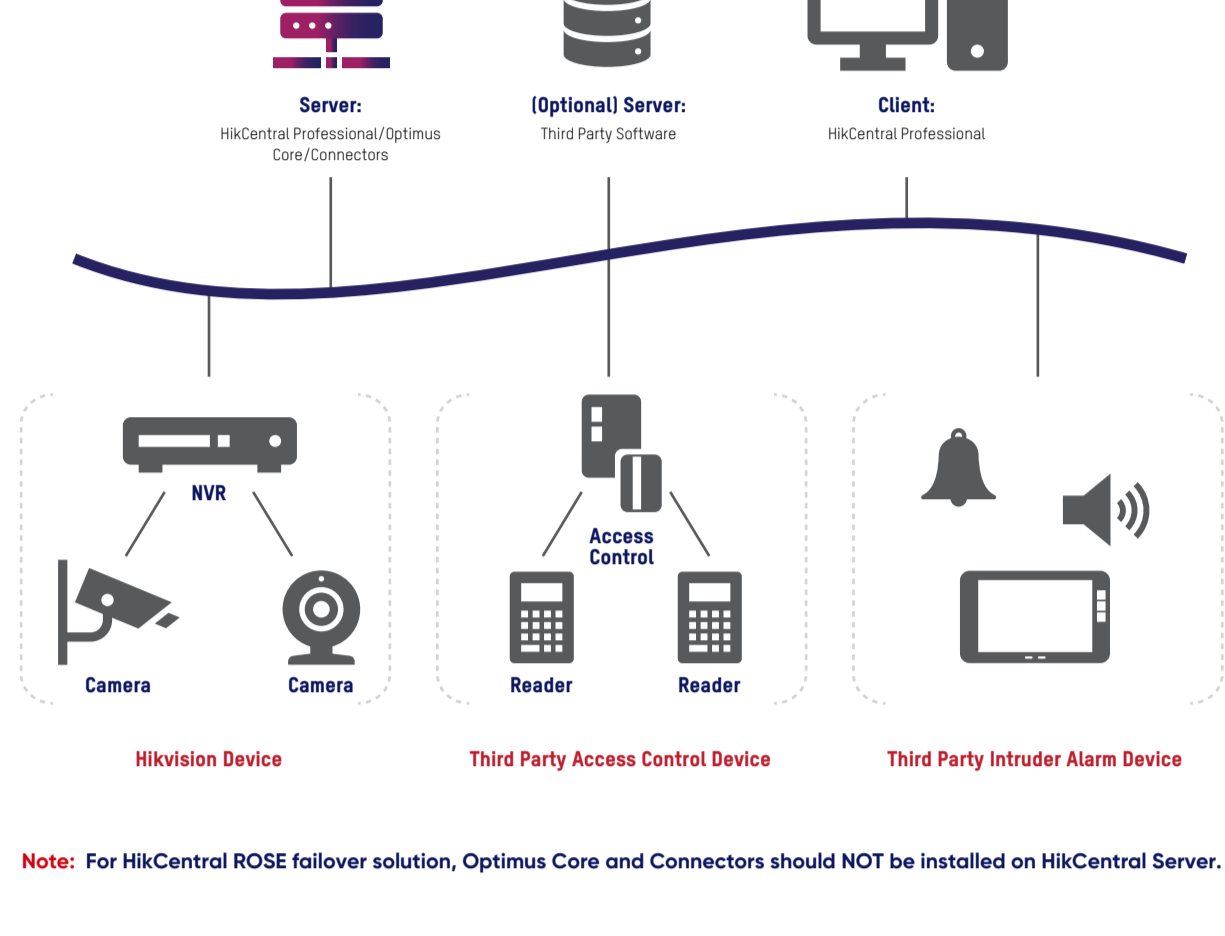
Solution Introduction for central management platforms.

Integrate your system with HikCentral using Optimus, an easy-to-use middleware solution providing:

- Real-time two-way event linkage between Hikvision and third-party device/system, with retrievable event records on HikCentral.
- Central management of all devices/resources on HikCentral.
- Data synchronization from third party system to HikCentral.
- Health monitoring of third party resource.

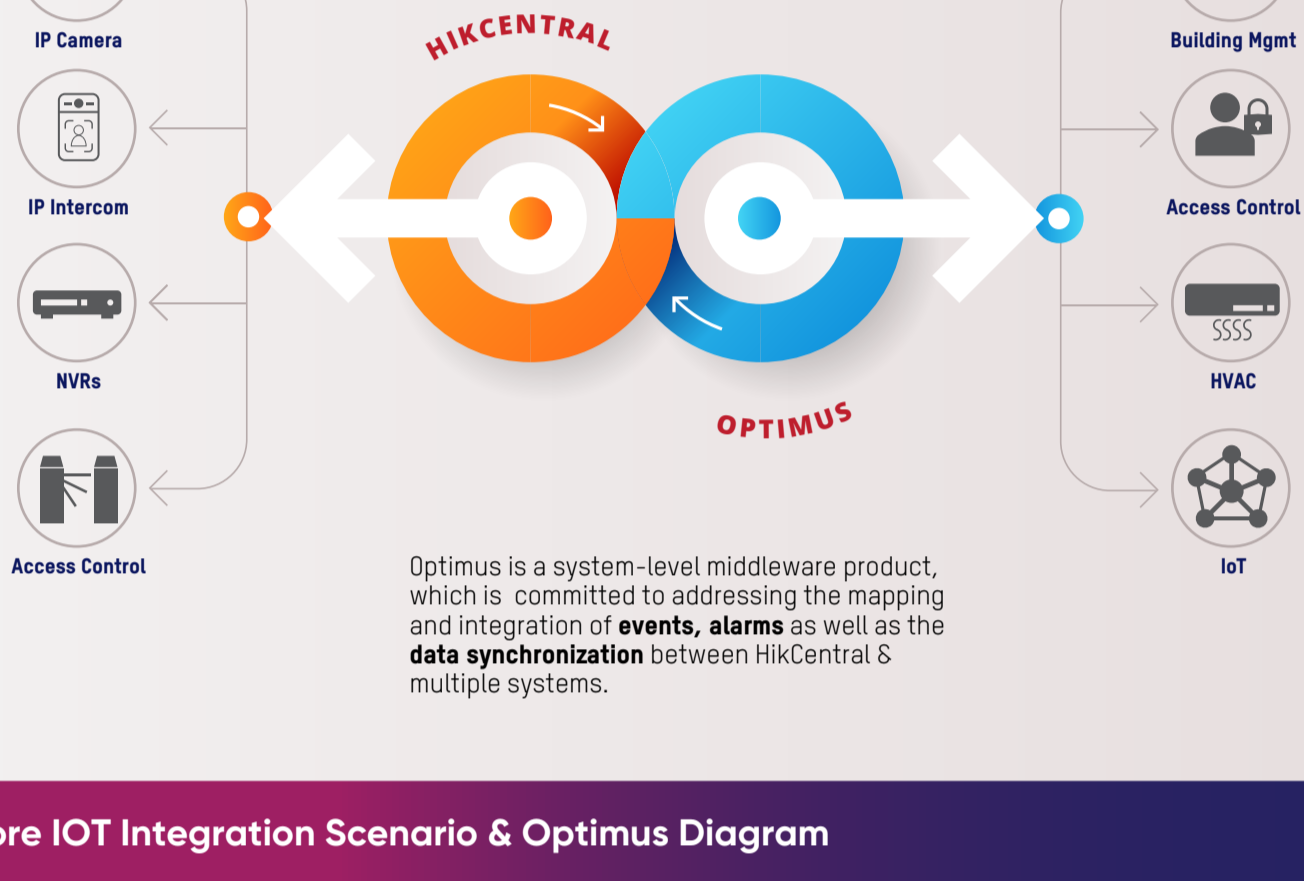


Solution Architecture.



Note: For HikCentral ROSE failover solution, Optimus Core and Connectors should NOT be installed on HikCentral Server.

WHAT IS OPTIMUS



Optimus is a system-level middleware product, which is committed to addressing the mapping and integration of **events, alarms** as well as the **data synchronization** between HikCentral & multiple systems.

Core IOT Integration Scenario & Optimus Diagram

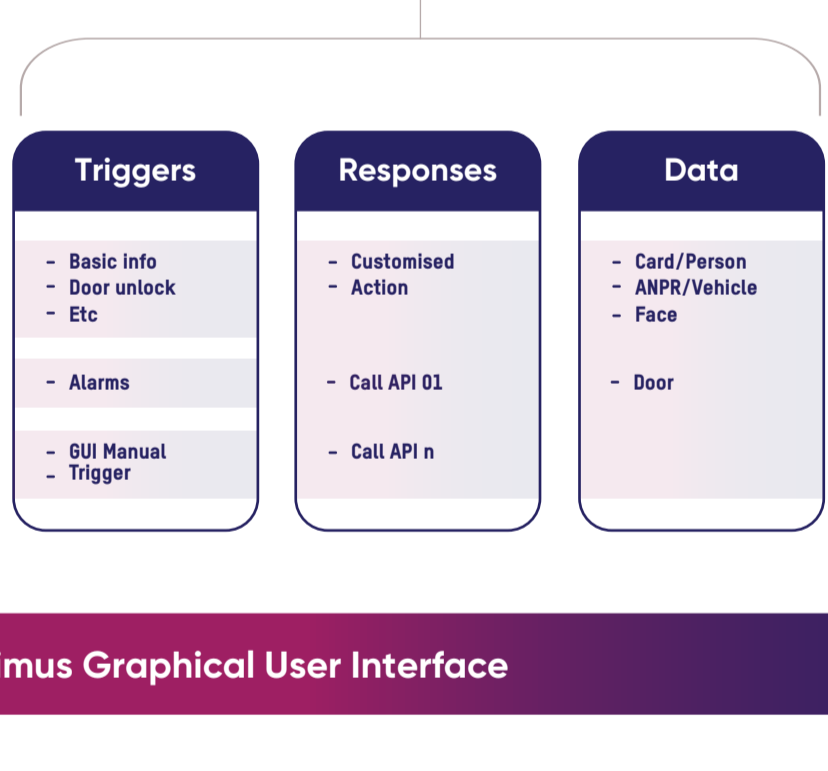


Object Mapping
Maps the selected resources / events / alarms in System A to System C. Allows the user to display, query and operate such objects in System C such as doors of access control system and cameras to Hikvision Cameras, etc.

Action Trigger
Triggers specified events / alarms / actions etc. in System C by specified events/actions (GUI manual triggers) / alarms etc. through Optimus. Allows the user to display and operate, such as determining the traffic threshold of the video camera the triggering the temperature setting of the air conditioning system via Modbus / BacNet.

Data Sync
Synchronizes the selected data in System A to the database of System C in a adapted format, eg. Synchronizes the face blacklist library in System A to the video system for facial recognition.

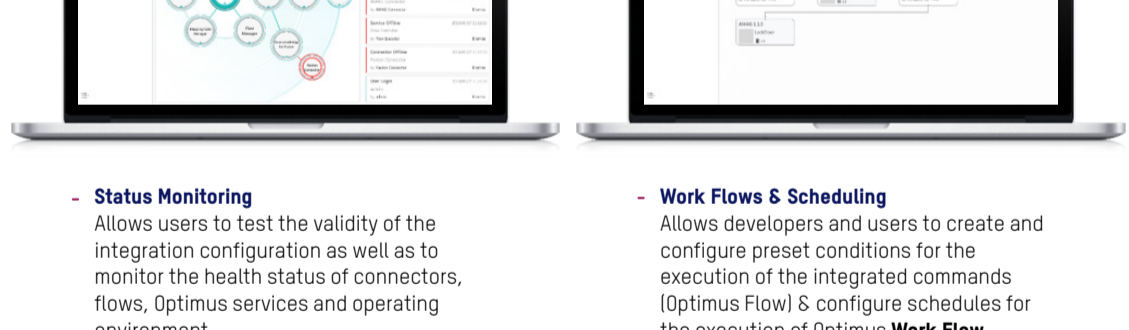
WHAT IS A CONNECTOR



A connector is what Optimus builds to bridge between a third party integration and HikCentral regardless of their coding standard. Optimus is a code agnostic. A connector can consist of:

- Triggers**
Events and User Defined Triggers.
- Responses**
Alarms, Customized actions or a combination of both.
- Data Sync**
Card/Person, ANPR/Vehicle, Face.

Optimus Graphical User Interface



- Status Monitoring
Allows users to test the validity of the integration configuration as well as to monitor the health status of connectors, flows, Optimus services and operating environment.

- Work Flows & Scheduling
Allows developers and users to create and configure preset conditions for the execution of the integrated commands (Optimus Flow) & configure schedules for the execution of Optimus **Work Flow**.

Optimus Solution Values



Majority Use Cases Implemented
Refines and formats the mainstream system-level integration scenarios of the Internet of Things. Reduces the integration development work by over 60% with its powerful and flexible configuration interface.

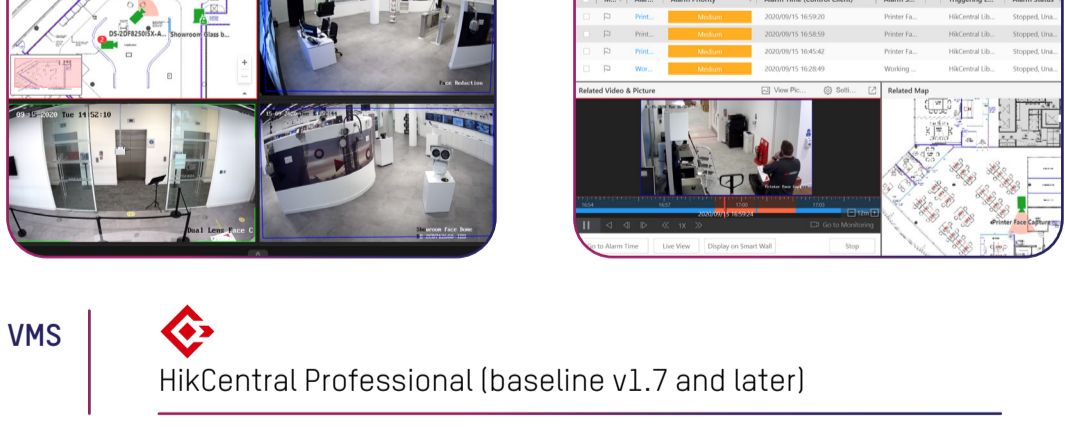


Easy To Use Graphical User Interface
Provides a visualized interface of configuration and management of third party integration. Transforms the traditional black box of integration to a user-friendly interface. Significantly simplifies the follow-up work on maintenance and management of the integrated systems.



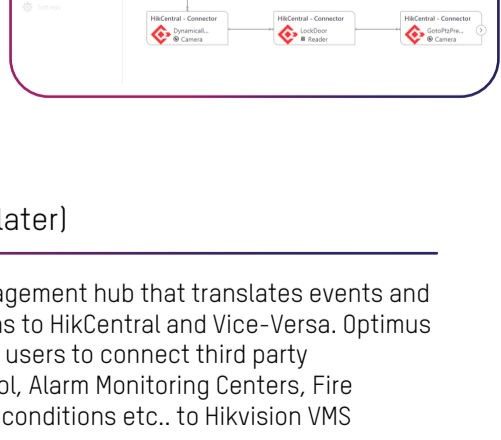
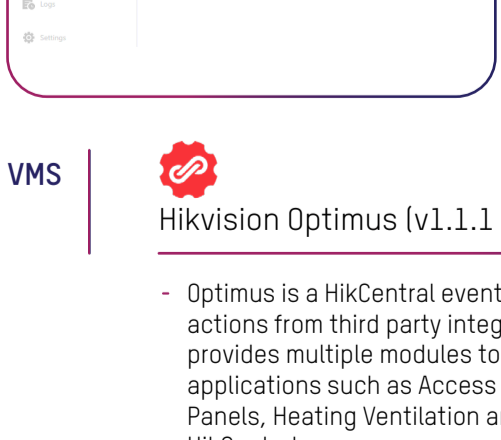
Flexible Third Party Development
Allows integrators and independent developers to create connectors based on the SDK/API interface of third-party systems and quickly integrate multiple systems via connectors (Third Party Integrations).

PRODUCT SHOWCASE



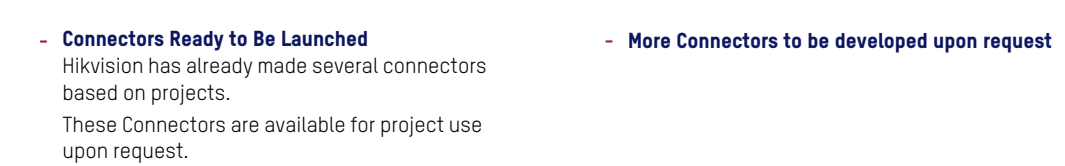
VMS | HikCentral Professional (baseline v1.7 and later)

- Flexible, scalable, reliable and powerful central surveillance system.
- Supports live view, playback, access control, video intercom, visitor management, vehicle entrance and exit management, alarm management, personnel identification, BI dashboard, people counting report.



VMS | Hikvision Optimus (v1.1.1 and later)

- Optimus is a HikCentral event management hub that translates events and actions from third party integrations to HikCentral and Vice-Versa. Optimus provides multiple modules to allow users to connect third party applications such as Access Control, Alarm Monitoring Centers, Fire Panels, Heating Ventilation and air conditions etc. to Hikvision VMS HikCentral.



- **Connectors Ready to Be Launched**
Hikvision has already made several connectors based on projects. These Connectors are available for project use upon request.
- **More Connectors to be developed upon request**