

Flowgate Deep dive

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Agenda

Overview Architecture

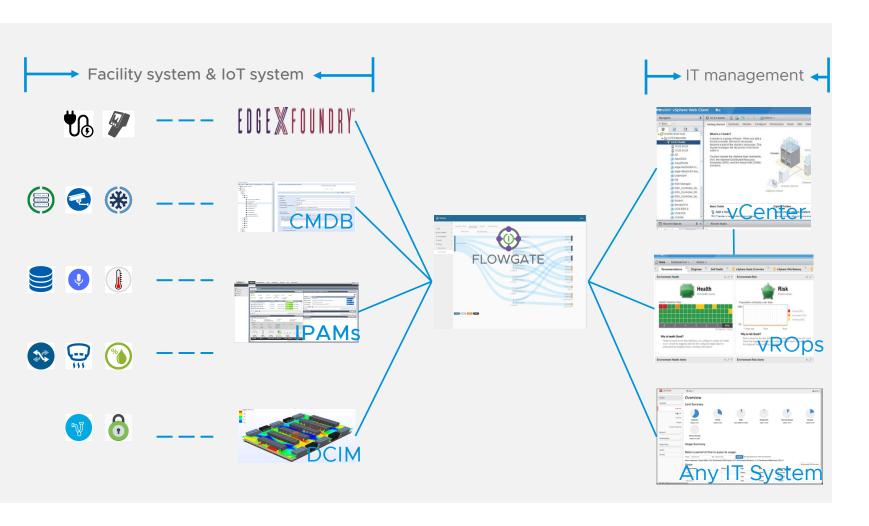
Flowgate Deployment Topology

Core Components

Integration Discussion

KEY FEATURES

Flowgate Architecture Click to edit optional subtitle



VMware IT stack in data centers, i.e. VMware vSphere and vROps, extensible to others;

Leading DCIM, CMDB & IPAM systems, i.e. Nlyte, Sunbird PowerIQ, Infoblox, extensible to much more;

Integration with EdgeX Foundry.

Restful APIs for unified facility information querying services, administrative operations, easy to integrate with other systems;

extensible adapters of data ingestion and consumption;

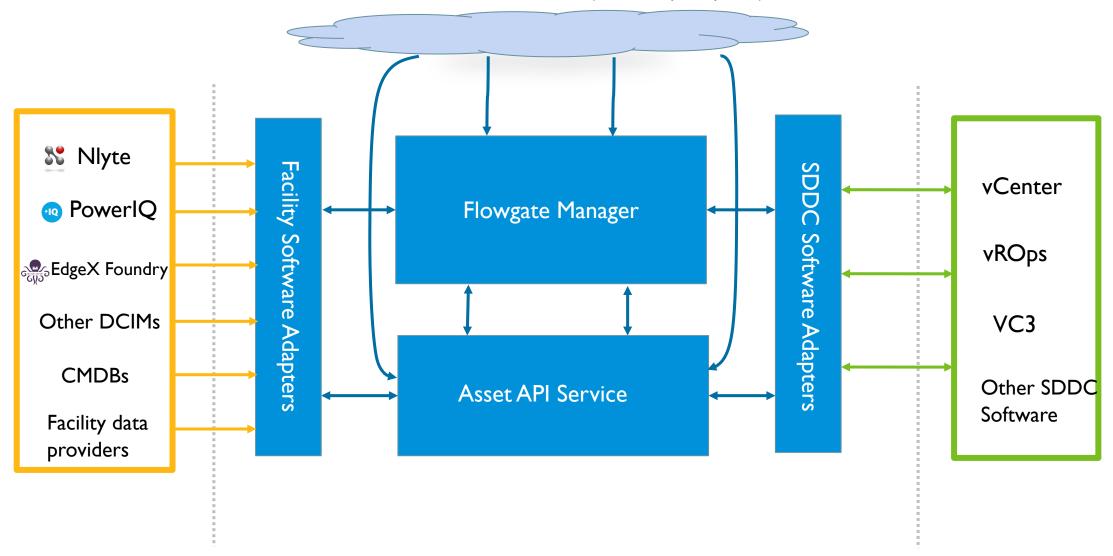
Micro-service architecture to deploy and scale out easily.

Full demo: https://youtu.be/6-QP28ulkJU

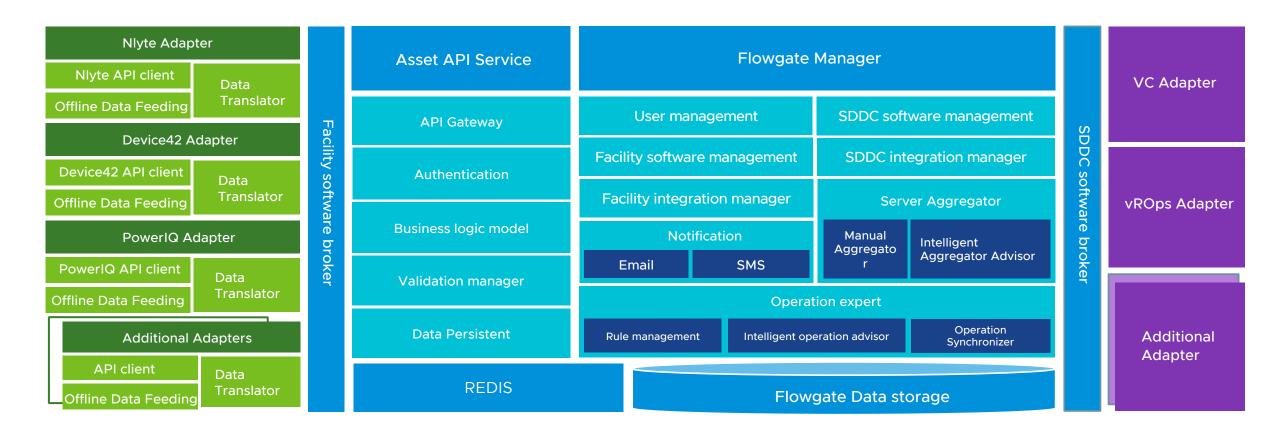
Logical Architecture



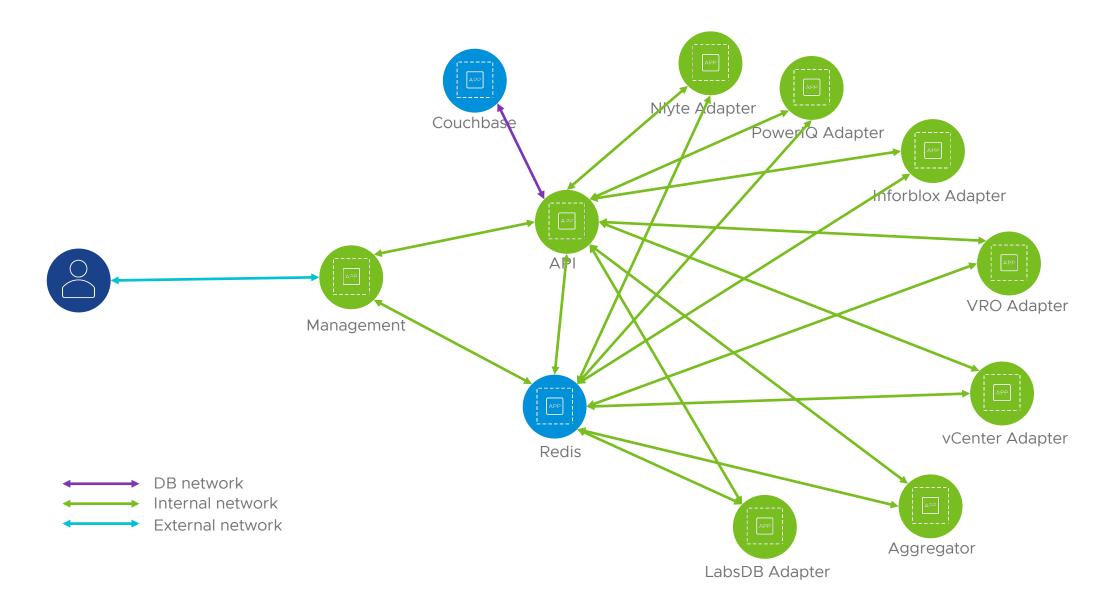
- -Users(IT administrator)
- -Administrator
- -API user(For Third part system)

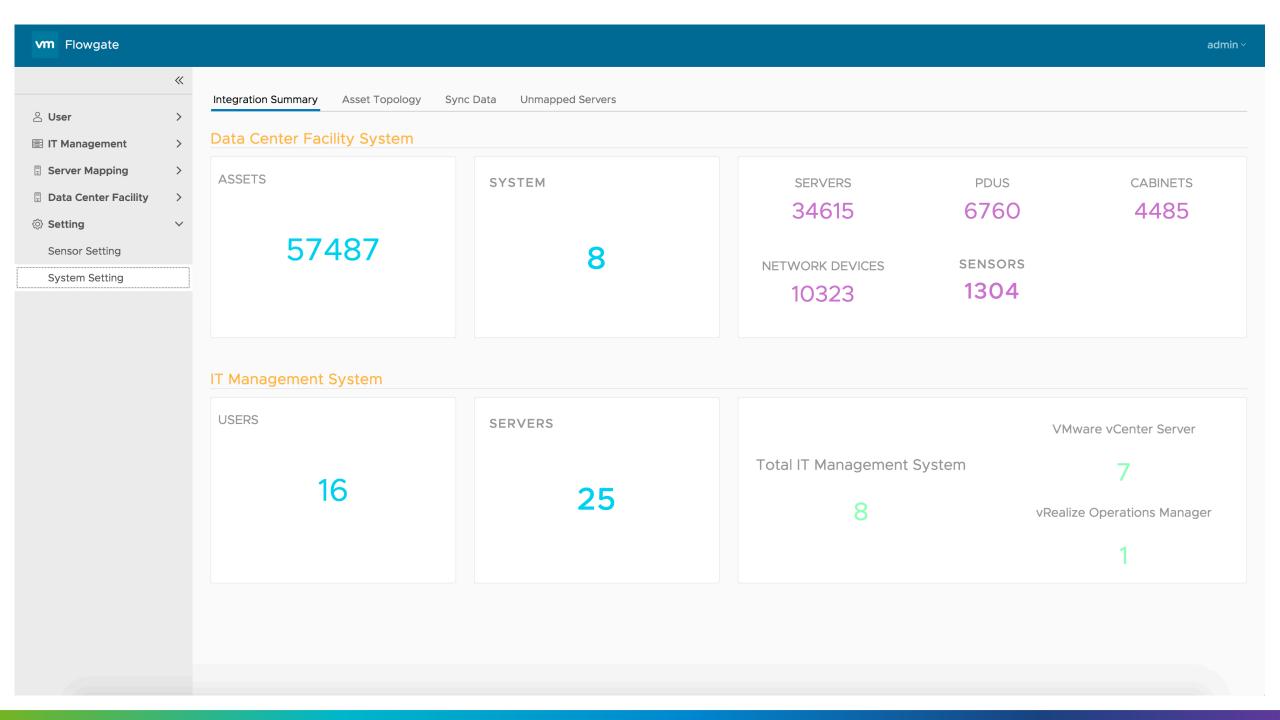


Flowgate Technical Details



VMware Deployment Architecture





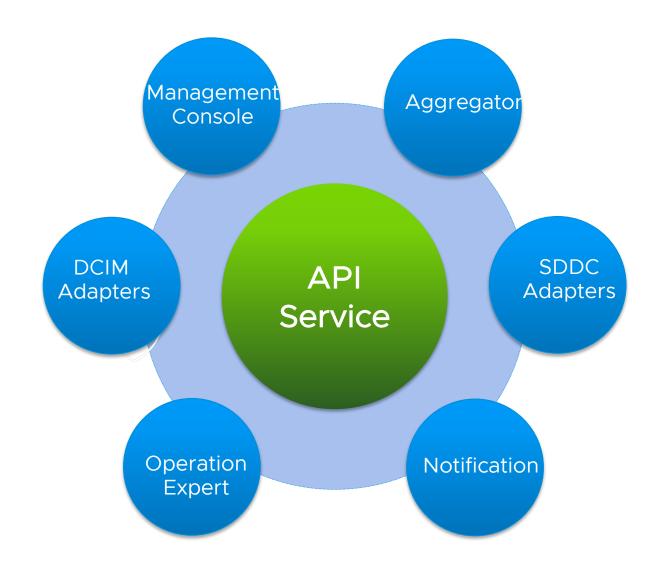
API Service

Purpose

- Provide Facility environment aggregation data
- Provide integration configuration data
- Provide Job management services
- Restful API

Implementation

- Base on Spring boot micro service framework
- Easy to scale out
- Fully functional support



Management Console

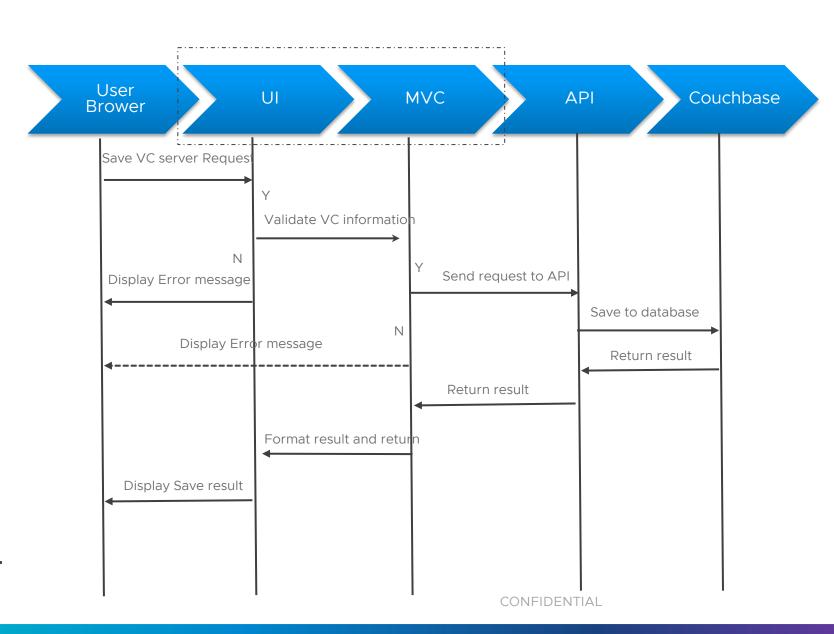
Provide UI and Dashboard

Clarity + Angular2

Pure HTML+CSS+Angular2

Modularize function components

Easily integrated with other system.



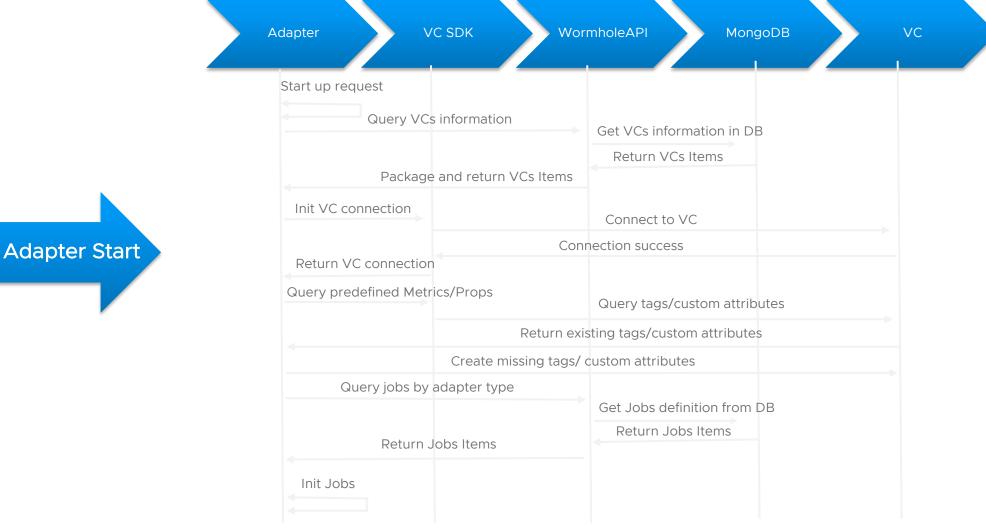
SDDC Adapters



- Provide advice for SDDC admin base on the Facility data
- Execute jobs defined by wormhole
- Execute jobs defined by specific Adapter
- Back feeding SDDC data to Wormhole for further aggregation

SDDC Adapters (VC)

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Aggregator



Mapping assets with Hosts

Hosts metadata enhancement.

Calculate host environment formula.

Analysis System status base on Facility data and SDDC software data.

Facility Software Adapters(Nlyte)

Facility metrics query

Data translation

Health check Job Execution Github: https://github.com/vmware/flowgate

OVA: https://labs.vmware.com/flings/flowgate

Email: flowgate@vmware.com

Thank You

