



**Hewlett Packard
Enterprise**

HPE Synergy

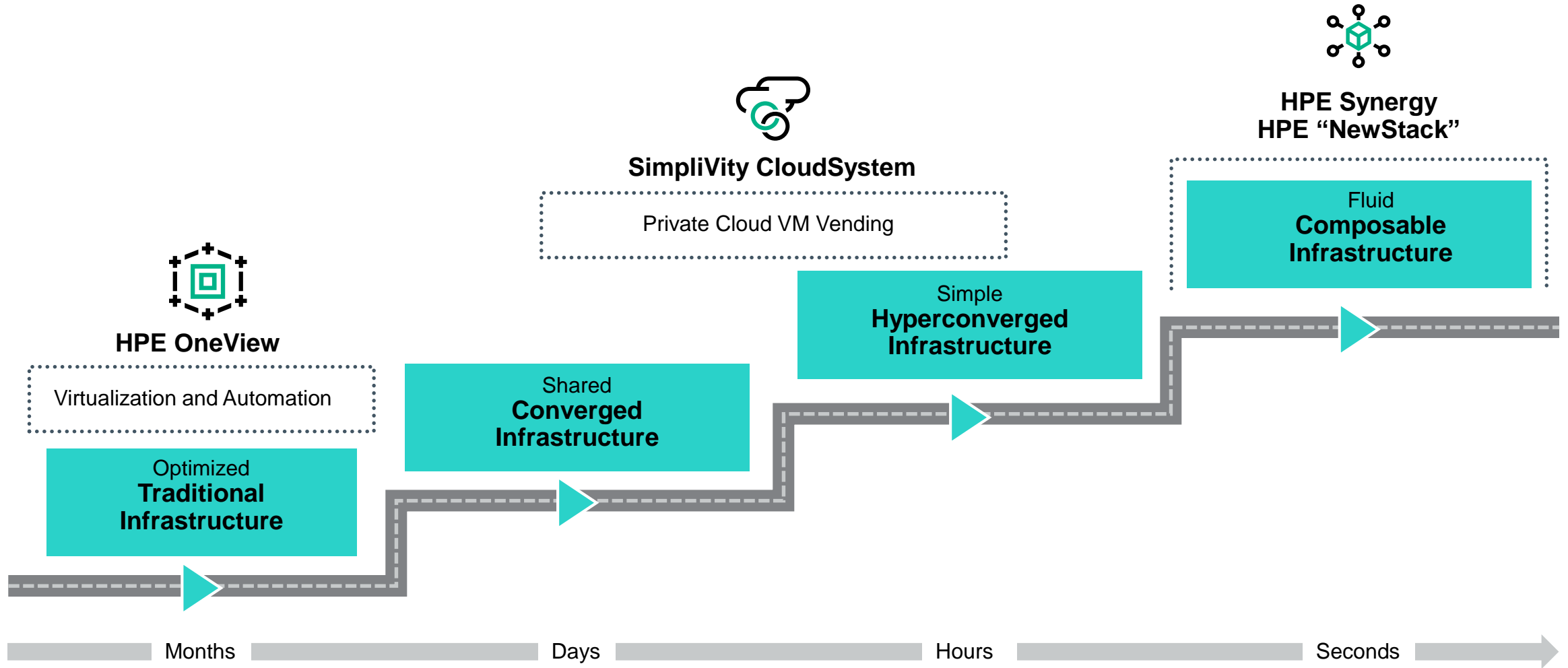
**composable infrastructure
ecosystem & HPE OneView**

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HPE Österreich

Red Hat Forum Österreich 2017

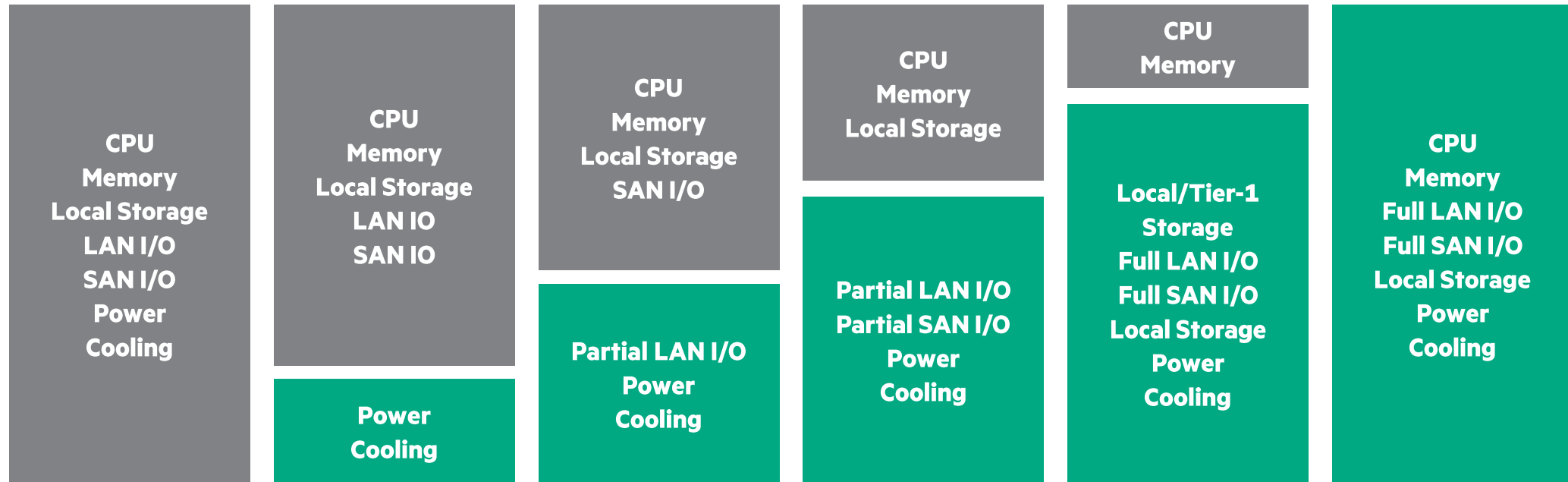


HPE Focus – for Today and Tomorrow



Operations optimized

HPE Journey to Composable Infrastructure

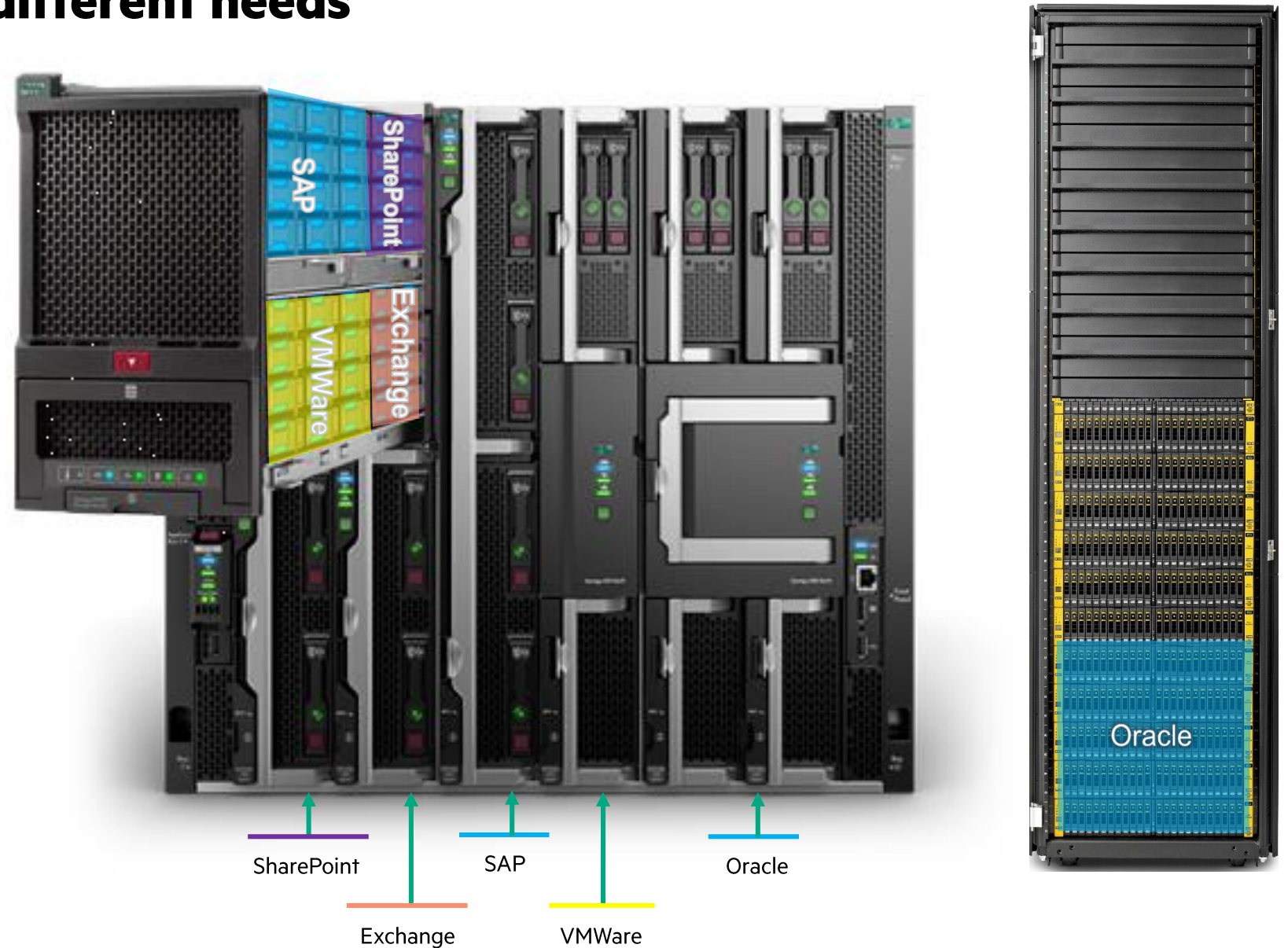


Different compute for different needs

General Purpose or Mission Critical:

- Virtualized
- Containerized
- Bare Metal

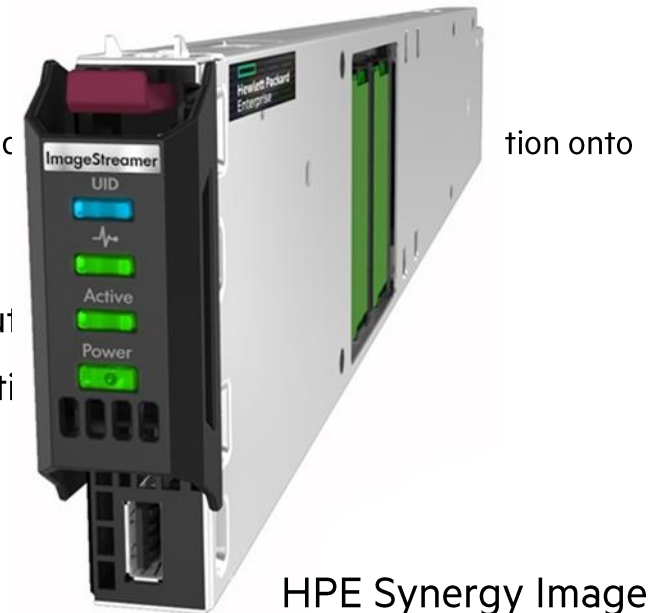
Different workloads and IT tiers...all within a single infrastructure



HPE Synergy Image Streamer

Manage physical servers like virtual machines (VMs)

- Deploy and Update infrastructure rapidly
- Enable true stateless operation
 - Integrate your compute profiles with your golden images (OE and I/O driver) and your personalities (OS and available hardware).
- Deploy bare-metal compute modules to boot directly into a running OS
- Updates to your golden images can be quickly re-created into bootable images for multiple compute
- Ensure image quality and consistency by using your tested operating environments and personalities
- Customize your images and environment using the provided tools
- Unified API (or GUI) access is available to applications and developers



HPE Synergy Image Streamer

Reduce complexity

Accelerate changes

Simplify deployment

Efficient scaling

Your Infrastructure as Code

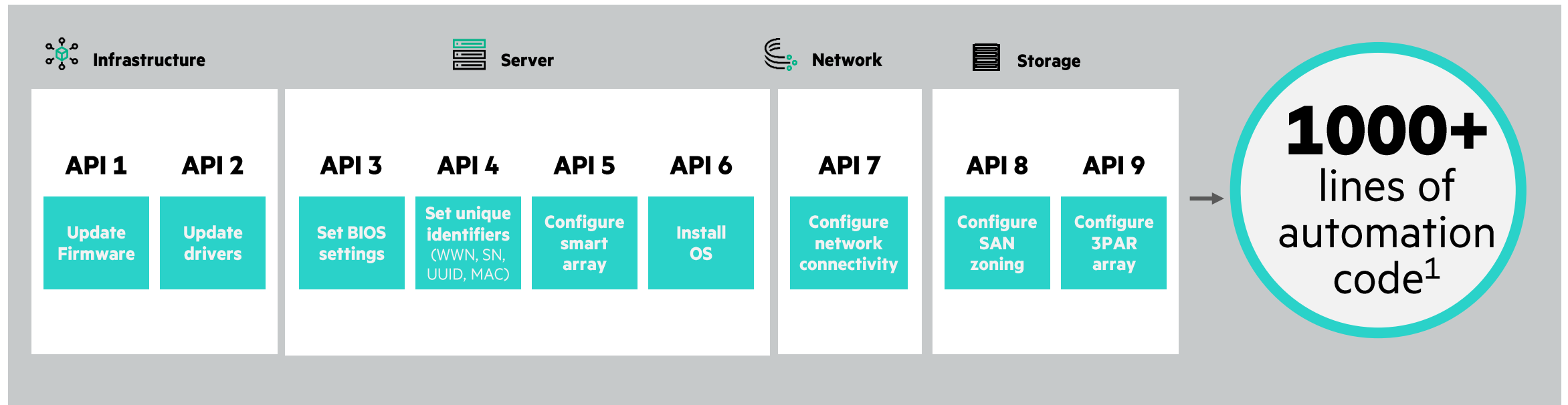


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HPE Composable Infrastructure Ecosystem

Automating physical infrastructure is complex and time consuming

Different tools and APIs for every task



¹ Based on data from a large retail customer using 3rd party servers who asked HPE to create equivalent configuration management scripts for HPE ProLiant servers.

Composable Infrastructure

Architectural design principles

Unified API

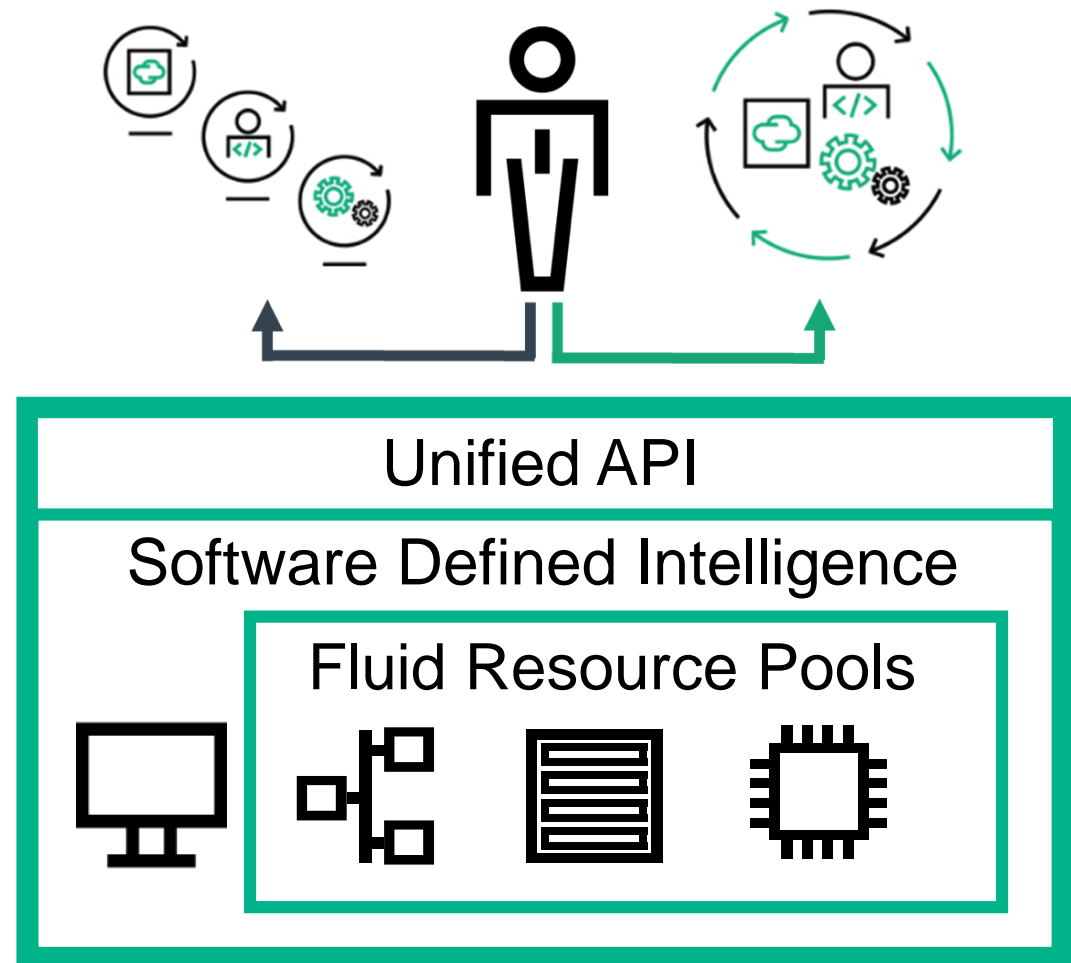
- Single line of code to abstract every element of infrastructure for full infrastructure programmability
- Bare-metal interface for Infrastructure as a Service

Software-Defined Intelligence

- Template-driven workload composition
- Frictionless operations

Fluid Resource Pools

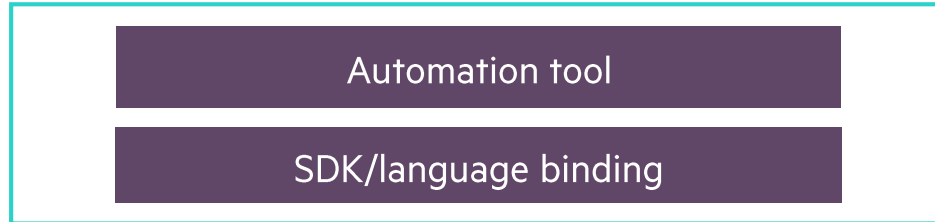
- Single infrastructure of disaggregated pools
- Physical, virtual, and containers
- Auto-integrating of resource capacity



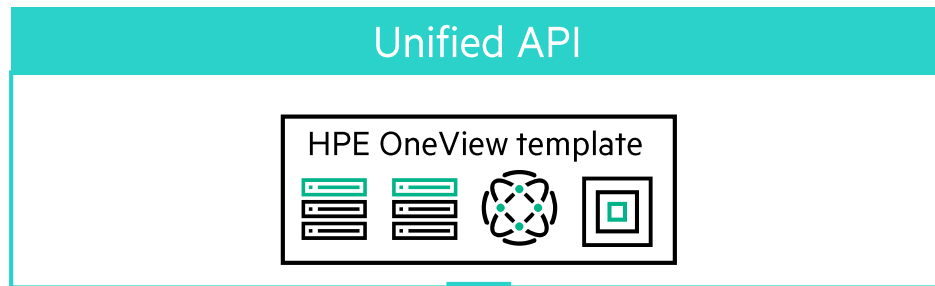
Bringing infrastructure as code to physical infrastructure

Automating infrastructure deployment with HPE OneView

Consumer: Orders resources from the menu



Provider: Menu of infrastructure as code



Resource pool



1. Define infrastructure template in HPE OneView

2. Deploy infrastructure with automation tool

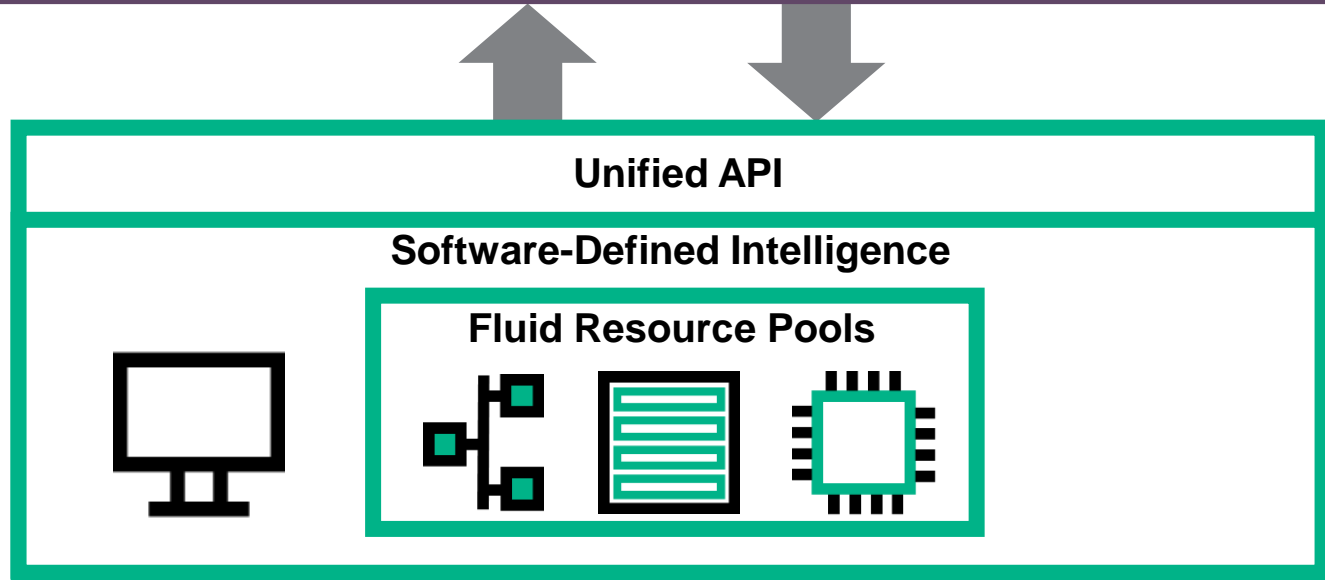
3. Provision application with automation tool

4. Done!

Only HPE

The simplest way to automate physical infrastructure

Using DevOps tools with the HPE Composable Infrastructure



Accelerate time to value



Increase reliability



Deliver deployment flexibility



Demo at the HPE booth: HPE OneView and Ansible

Ecosystem Resources Now Available

www.hpe.com/Info/composableprogram

Composable Infrastructure Developers Hub

Get the most out of your composable infrastructure with validated HPE OneView integrations from ISV partners. Access SDKs, repositories, and other technical resources to support your DevOps, automation and IT management initiatives.

Overview | OneView Integrations | SDKs | Resources READ THE WHITE PAPER

The Composable Infrastructure Ecosystem

HPE Composable Infrastructure enables you to use a template-based approach and flexible pools of compute, storage, and fabric to abstract infrastructure elements and automate operational changes at scale. As an SIV or developer, you can programmatically control composable infrastructure through a single open RESTful API. This Unified API is native to **HPE OneView**, which automates the provisioning, configuration, and monitoring of infrastructure.

Partners in the HPE Composable Infrastructure Partner Program work with HPE to build solutions that are interoperable with the Unified API. These solutions help organizations reduce time spent managing environments and accelerate time to value.

[Read about HPE Composable Infrastructure](#)

HPE OneView Integrations

Access repositories, demos, guides and other technical resources for HPE OneView integrations from HPE composable infrastructure partners.

[Read About Integrating with HPE OneView](#)

ANSIBLE by Red Hat Ansible Ansible by Red Hat automates the provisioning of physical infrastructure on-demand using software-defined templates from HPE OneView. View the GitHub Repository Watch the Demo	ARISTA Arista The Arista extension for HPE OneView automates the network provisioning between HPE OneView and Arista EOS. Watch the Demo View the Independent Assurance	CHEF Chef Infrastructure Chef automates the set-up and updates of fluid resource pools in HPE OneView using software-defined templates. View the GitHub Repository	CHEF Chef Provisioning Chef automates the provisioning of physical infrastructure on-demand. Chef recipes can now provision servers based on HPE OneView templates and optional OS build plans. View the GitHub Repository
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[Composable Infrastructure Development Hub](#) CHAT ONLINE

Developers Hub

<https://www.hpe.com/us/en/solutions/developers/composable.html>

Hewlett Packard Enterprise

Hewlett Packard Enterprise on github; please contact mark dot atwood at hpe dot com for access
<http://www.hpe.com>

Repositories | People

Pinned repositories

POSH-HPOneView PowerShell language bindings library for HPE OneView. PowerShell ★ 33 ✓ 18	chef-provisioning-oneview Chef Provisioning Driver for HP OneView Ruby ★ 17 ✓ 12	docker-machine-oneview HP OneView plugin for docker machine Go ★ 11 ✓ 10
oneview-chef Cookbook for configuring HPE OneView resources Ruby ★ 7 ✓ 3	python-ibrest-library Python library for iLO RESTful API Python ★ 76 ✓ 59	

Search repositories... Type: All Language: All

Integration repositories

<https://github.com/HewlettPackard>

SDKs and Language Bindings

Access Software Development Kits (SDKs) and language bindings for integrating HPE OneView with common programming languages and frameworks.

HPE OneView Go SDK HPE OneView allows you to treat your physical infrastructure as code. Now you can integrate your favorite tools based in Golang with HPE OneView. View the GitHub Repo	Java The Java SDK enables Java developers to easily integrate their Java solutions with HPE OneView. The SDK provides client APIs to consume the OneView REST APIs. View the GitHub Repo	PowerShell This library provides a pure Windows PowerShell interface to the HPE OneView REST APIs. View the GitHub Repo	Python This library provides a pure Python interface to the HPE OneView REST APIs. View the GitHub Repo
Ruby The Ruby SDK provides a Ruby library to easily interact with the HPE OneView API, enabling developers to easily build integrations and scalable solutions with HPE OneView. View the GitHub Repo			

SDKs and language bindings

<https://www.hpe.com/us/en/solutions/developers/composable.html#SDKs>

Contact HPE

Program info: ComposableAPIprogram@hpe.com

Technical support: ComposableAPIsupport@hpe.com



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Thank you