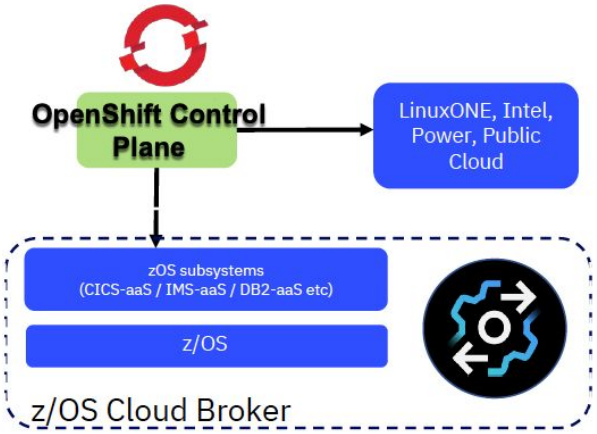
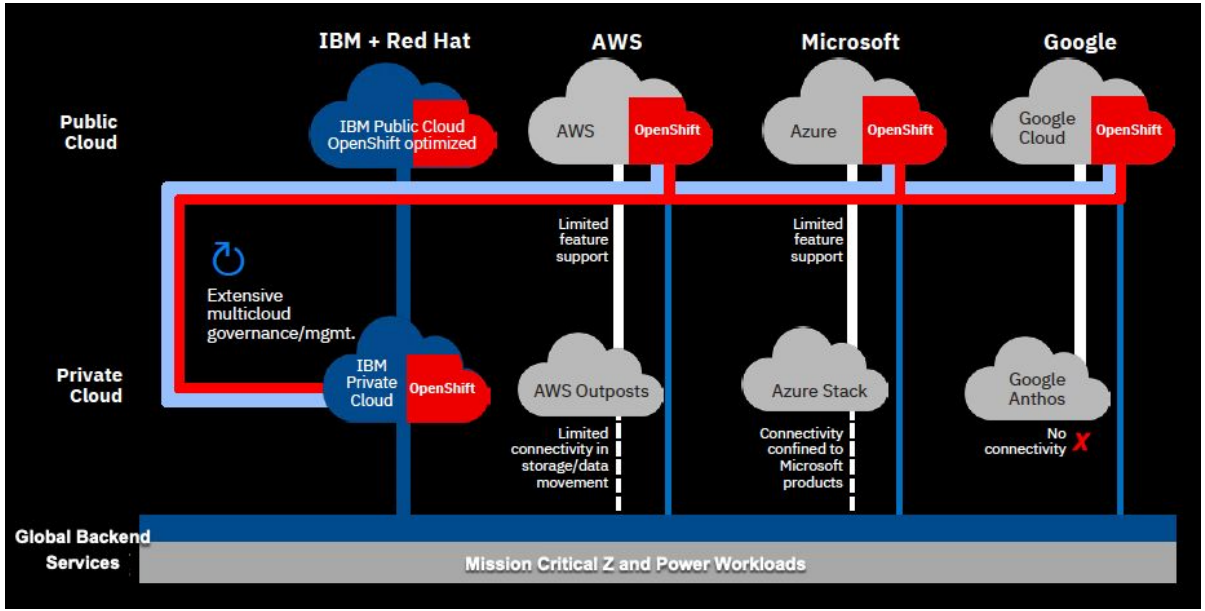
Multi-Arch

Red Hat

OpenShift 4 on IBM Z and Power Deliver the Industry's Only True Hybrid Multi-Cloud Platform for all Datacenter Services





Red Hat

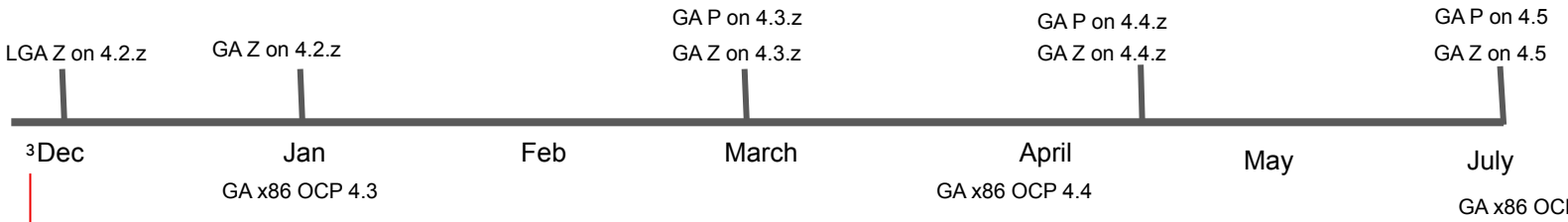
OpenShift 4 on IBM Z and Power

First releases in 2020 will focus on CaaS functionality.

Three Primary Use Cases

1. **Data-gravity** -- apps connect via ultra-low-latency, ultra-secure and highly resilient network into legacy system-of-record (eg. Service Broker to zOS instances)
2. **Security/Compliance** -- apps can be deployed un-modified into zero-trust enclaves with strong data-governance and/or have strong-affinity to highly certified HSM-services (eg. core-banking, blockchain, crypto wallet, digital assets, quantum proof etc)
3. **Cloud-in-a-box** -- instant capacity on-demand with scale-up/out in a single footprint for space and power constrained data-centers

Releases will trail x86 by 1 until the middle of 2020 and then come in sync on 4.5.



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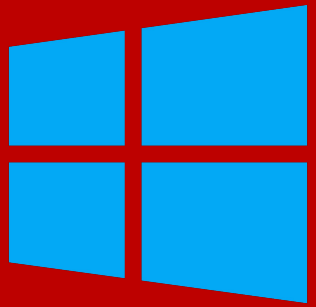
DP

Windows Containers



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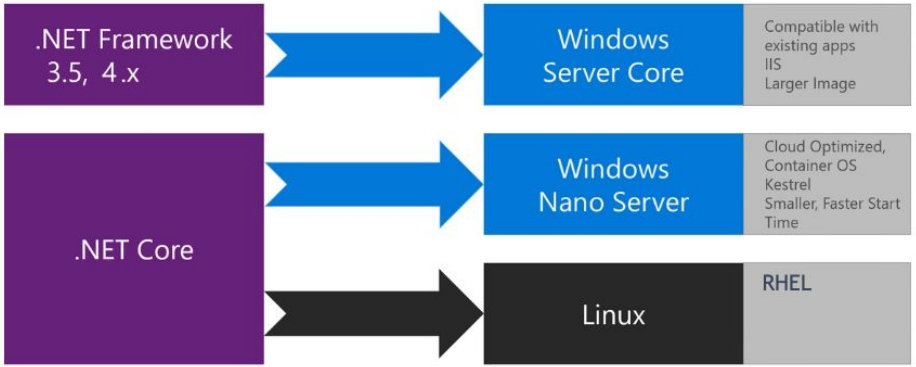
Windows Containers

Scope for First Release (GA)

- Join a Windows Server node to a OpenShift cluster
- Life Cycle kubelet on the Windows Server node
- Be able to hold a tenant boundary
- Be able to deploy a container to the Windows Server
- Be able to route traffic between pods (east/west)
- Applications (north/south)
- Prometheus/Grafana Dashboards
- ElasticSearch Logging (EFK)
- PV Support



Out of Scope for First Release

- S2I Build or Knative Automations
- Service Mesh Integration
- Pipeline Integration
- Templating of Multiple Images across operating system types
- Deeper UI changes
- Equal Resource Management Policies in Kubernetes

Microsoft Red Hat

Windows Containers Roadmap

Near Term (OCP 4.3)

- **Dev Preview**
- Ansible Installer
- OVN Hybrid HSN Bridge
- Windows Event API to Fluentd

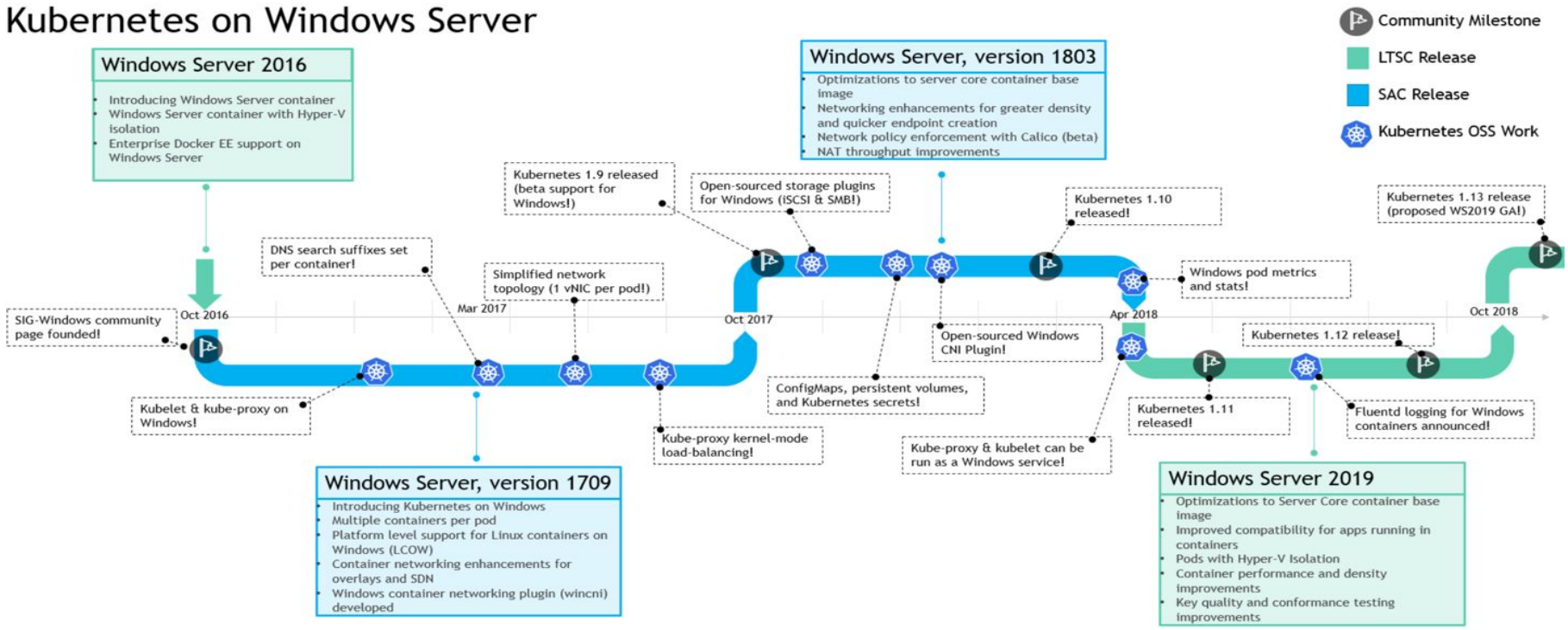
Medium Term (OCP 4.4)

- Operator Installer
- CSI SMB Storage Plugin
- Prometheus
- Group Managed Service Accounts (GMSA)

Long Term (OCP 4.5+)

- Developer Use Cases
- Containerd and HyperV resourceClasses

Windows Containers - Developer Preview



4.3

Hosted OpenShift

Get the best of OpenShift without being on call

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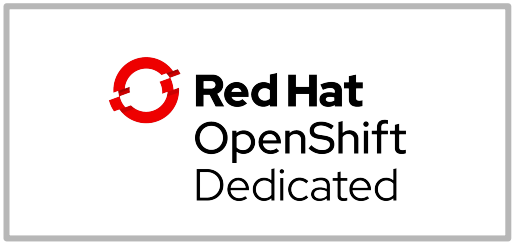
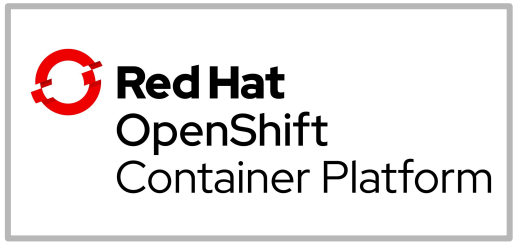
One Platform, Flexible Consumption Models



Managed service offering on public cloud

Jointly engineered, operated, and supported by Microsoft and Red Hat



Enterprise-grade Kubernetes platform that you manage

HOSTED SERVICES

SELF-MANAGED

OpenShift Dedicated Roadmap

Near Term

Dec 2019 - Feb 2020

- Customer case management and notification system
- OSD on Customer Cloud Subscription (BYOC)
- Consumption-based billing
- Self service cloud network management (VPN & VPC Peer)
- Self service storage and load balancer quotas
- Private Clusters
- Reintroduction of Infrastructure nodes
- Privileged Red Hat and ISV Operators
- Expanded end-to-end test coverage
- SRE Operational Improvements

Long Term

2020

- POC availability for BYOC
- Enhance consumption billing
  - Remove per cluster fee after 1st cluster
- Regulatory compliance
- Integrated log forwarding
- Google Cloud Platform support
- Machine Autoscaling

Product Manager: Patrick Strick