Cluster upgrades

Rolling updates – Zero downtime

1. Setup demo app, demonstrate continuity

2. **Explore cluster upgrade settings**

3. Perform an OpenShift Cluster upgrade

Cluster upgrades
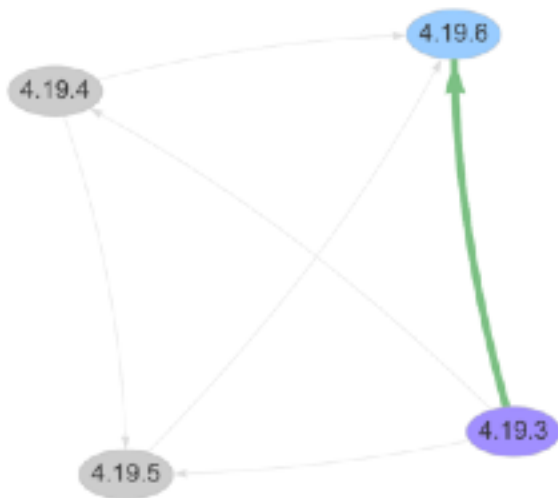## Rolling updates - Zero downtime

Update Path

Current Channel * — stable-4.19

Architecture * — x86_64

☐ Include hotfix versions

Current OpenShift Version * — 4.19.3

Target OpenShift Version * — 4.19.6

1. Setup demo app, demonstrate continuity

2. **Explore cluster upgrade settings**

3. Perform an OpenShift Cluster upgrade

Use Case Catalog

Day 1

1. **UC01** : Cluster as a service
2. **UC02**: VM as a service
3. **UC03**: Namespace as a service
4. **UC04**: Container as a service
5. **UC05**: Cloud native as a service
6. **UC06**: VM migration as a service
7. **UC07**: Baseline Configuration
8. **UC08**: Custom Policies
9. **UC09**: Control Policy Scope
10. **UC10**: AuthN and Identity Providers
11. **UC11**: Authorization and RBAC
12. **UC12**: Zero Trust enforcement
13. **UC13**: Workload network policies

Day 2

14. **UC14**: Cross provider connectivity
15. **UC15**: Hybrid workload
16. **UC16**: Workload scalability
17. **UC17**: Cluster autoscaling
18. **UC18**: Metrics and Logging
19. **UC19**: Network graphs
20. **UC20**: Policy violation dashboard
21. **UC21**: Day 2 Operations
22. **UC22**: Cluster upgrades
23. **UC23**: Developer onboarding
24. **UC24**: Trusted SW supply chain

Day 3 (hands-on workshop)

25. **UC25**: Node Resiliency
26. **UC26**: Cluster and site resiliency
27. **UC27**: Backup & Restore

Hands-on labs

1. **UC02**: VM as a service
2. **UC04**: Container as a service
3. **UC06**: VM migration as a service
4. **UC11**: Authorization and RBAC
5. **UC12**: Zero Trust enforcement
6. **UC16**: Workload scalability
7. **UC24**: Trusted SW supply chain