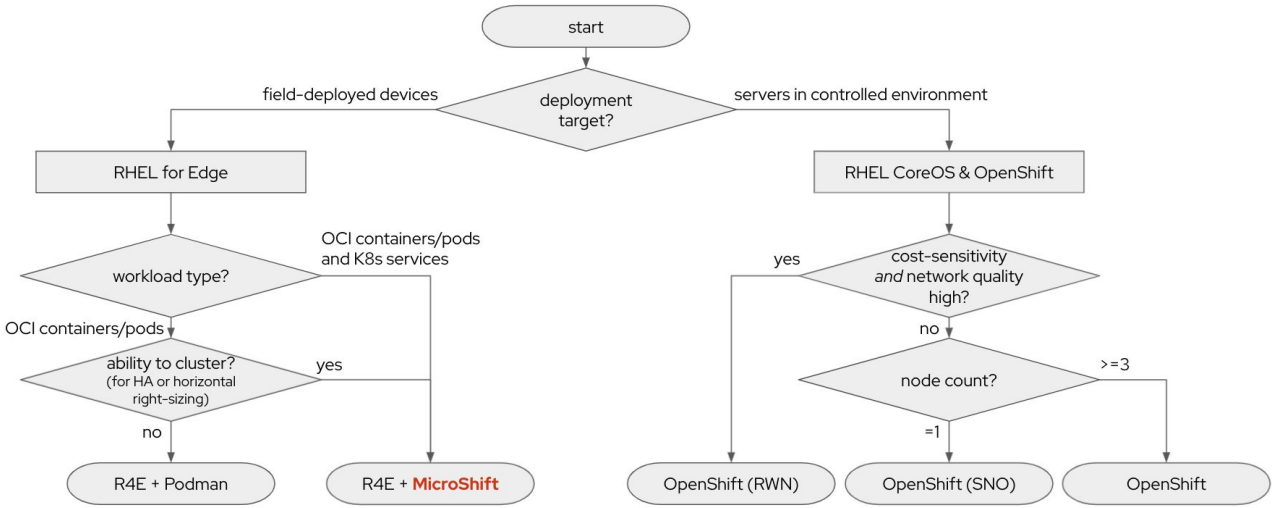
MicroShift

Red Hat

Introducing MicroShift



- Project (not product) by Red Hat's Emerging Technologies team https://github.com/redhat-et/microshift
- OpenShift Kubernetes in a small form factor, optimized for **field-deployed edge devices**
- Workload portability with OpenShift
- Builds on top of RHEL for Edge capabilities, is manageable via Open Cluster Management
- Runs on x86, ARM, and RISC-V

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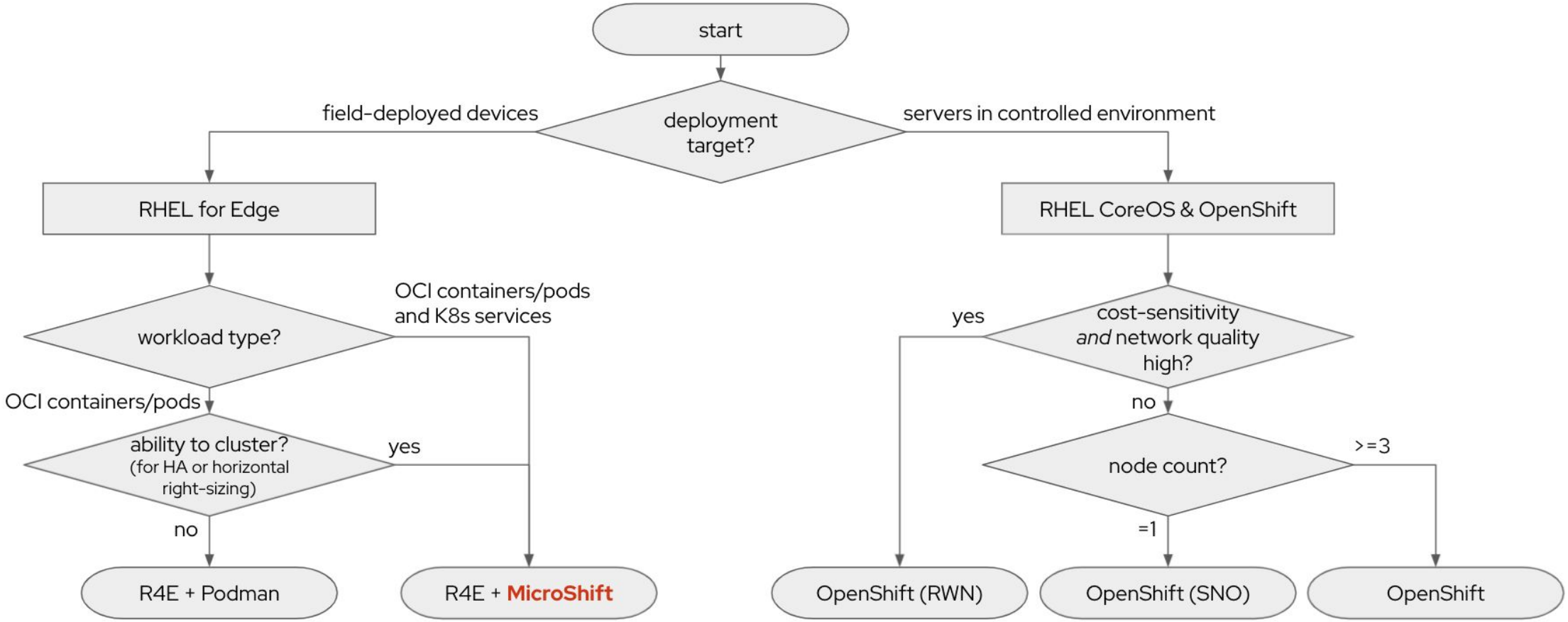
Edge Platform Decision Tree



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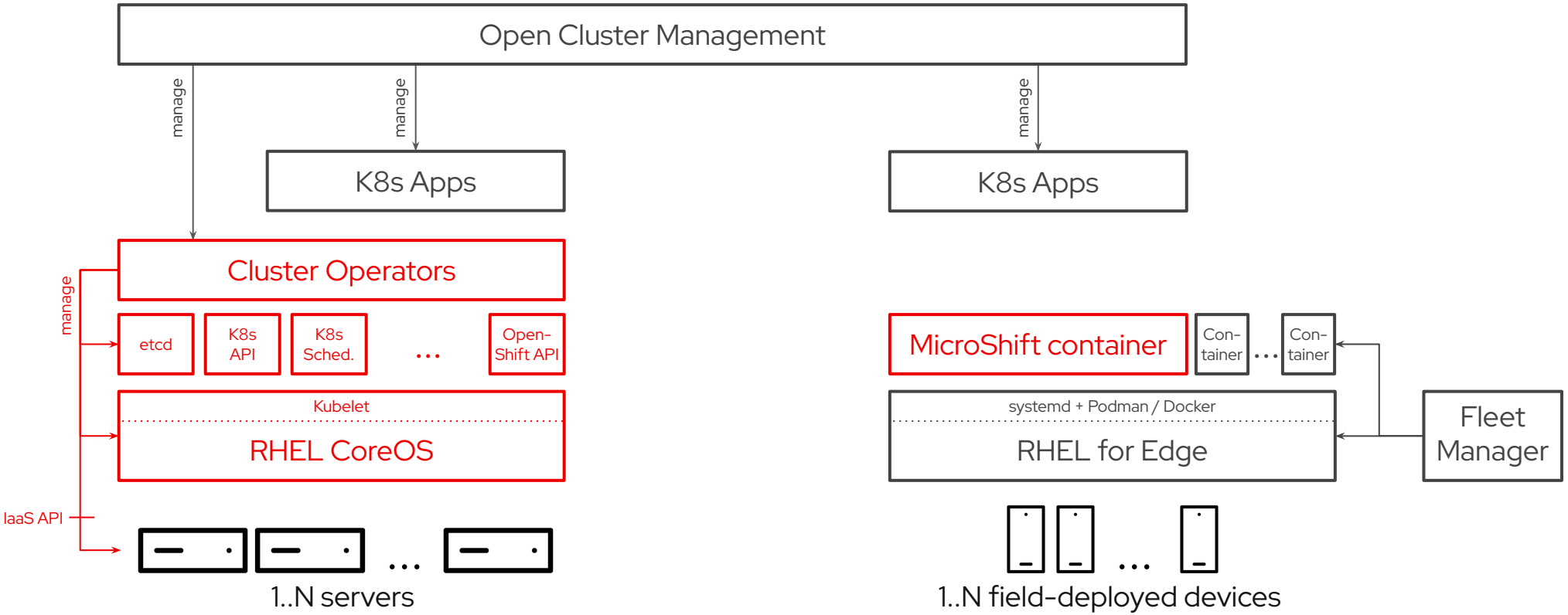
MicroShift compared to OpenShift



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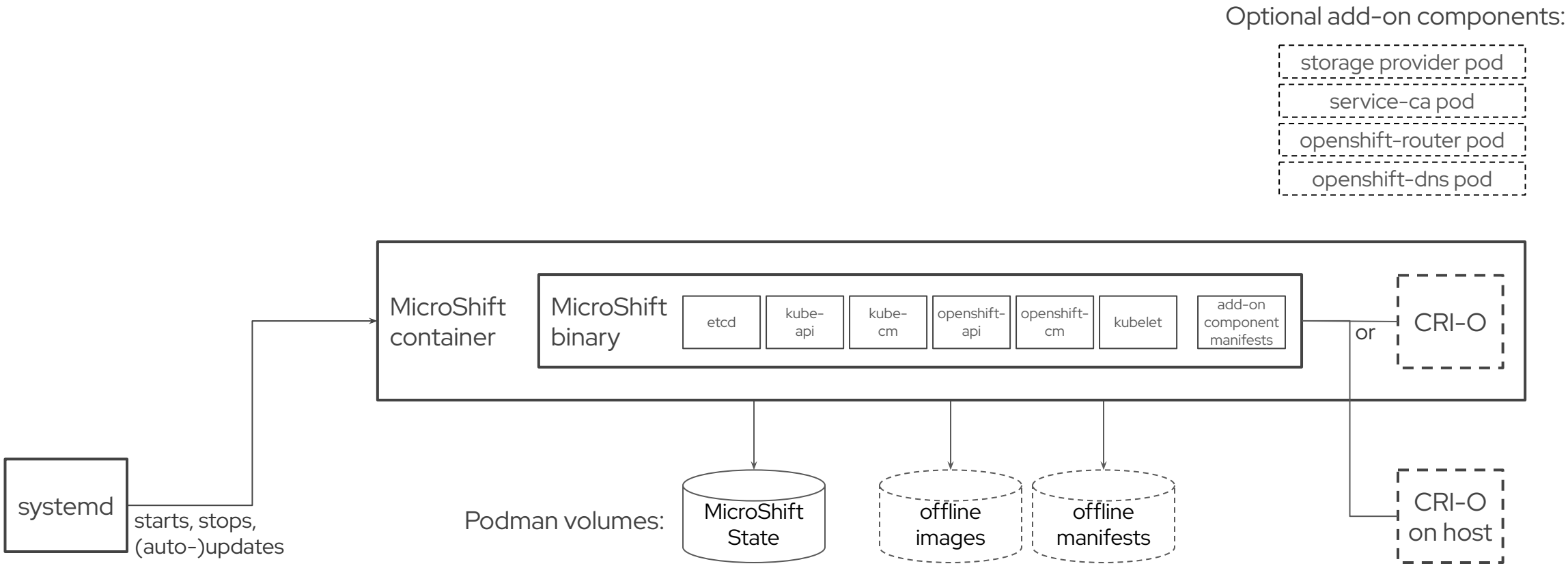
MicroShift architecture



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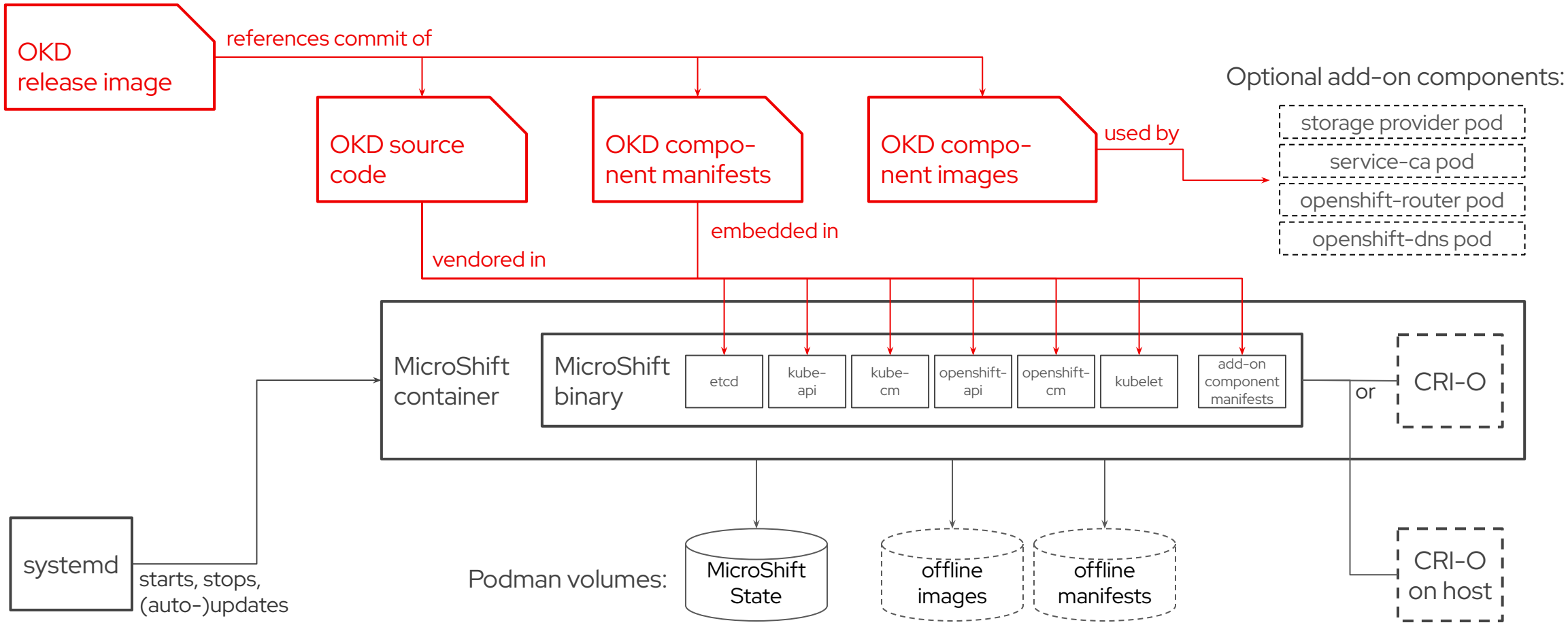
How MicroShift is made



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Further reading

field-deployed device

- MicroShift docs: https://microshift.io
- MicroShift project repo: https://github.com/redhat-et/microshift
- MicroShift End-to-End Provisioning Demo: https://youtu.be/QOiB8NExtA4
- Blog post: OpenShift on Raspberry Pi 4? – Open Sourcerers

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Thank you

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