Enterprise Cloud Migration Strategies

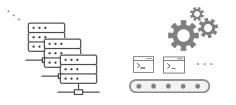
John McCarthy & Umar Kabir

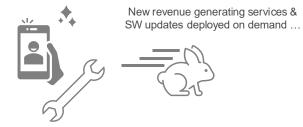
Sales Engineering/Product Management

ribbon INSIGHTS

Motivations

Vendor-neutral, standardized datacenter, operations, management, automated "conveyor belt" SW roll-outs





Optimized, reduced costs of datacenter & operations

On-demand introduction of new services and SW upgrades



Challenges



Cloud Infrastructure Costs

Limited Cloud Resiliency

Implementation of Vendor Agnostic CI/CD, LCM, Ops ...



What to Look For



CLOUD NATIVE COMPUTING FOUNDATION



Solutions Based on Cloud Native Technology

- Containers as portable programs
- Kubernetes (K8s) as the OS of the cloud
- Automation at every step

Solutions Supporting Industry Best Practices

- Software developed, delivered & deployed quickly, efficiently and with minimal manual intervention
- Standardized operations & tooling for optimized cloud operations



Monolith SBC vs. Cloud Native SBC



- All code compiled into a single image
- Tightly coupling to a single target for all active traffic
- Benefits of cloud computing not realized

- Code compiled into multiple container images
- Loose coupling to cloud compute resources
- <u>Benefits</u> of cloud computing realized



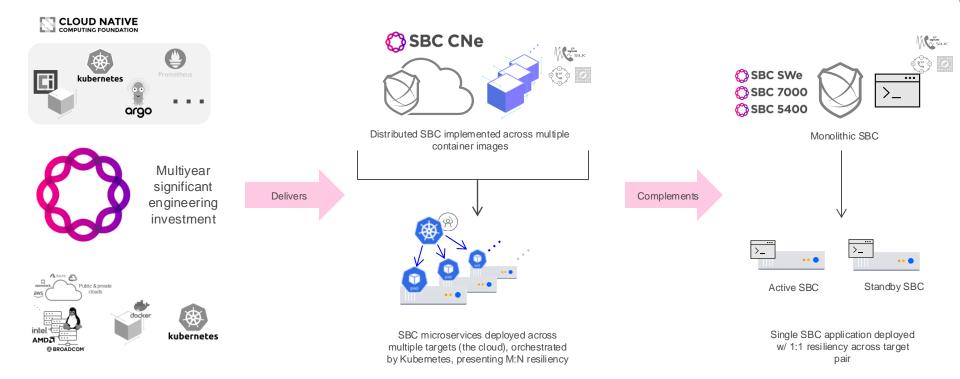
Cloud Native Solution Available NOW



Authentic Cloud Native Offer Built to Customer Expectations



Ribbon's Multiyear Journey to the Cloud Native SBC





Cloud Native Core vs. Monolithic Core Comparison

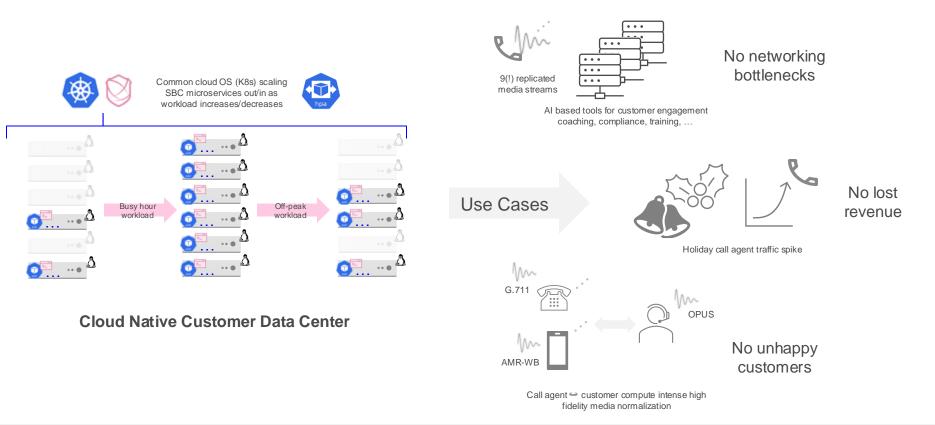




| Product Type | Cloud Native Core Solutions | Monolithic PNFs/VNFs |
|----------------------------|-----------------------------|----------------------------|
| Infrastructure | | Costly proprietary HW & SW |
| Workload scaling | | |
| Resiliency | | |
| | | |
| | | |
| | | |
| | | |
| Upgrade frequency & nature | | |

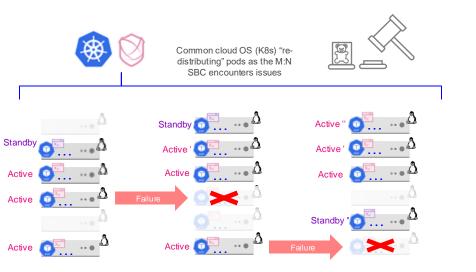


Elasticity with No Boundaries





Cloud Native Always Available, Efficient Resiliency





Heightened service interruption risk

or

Excess pairs of SBCs to minimize risk of standalone operations



Extra infrastructure costs

Cloud Native Customer Data Center

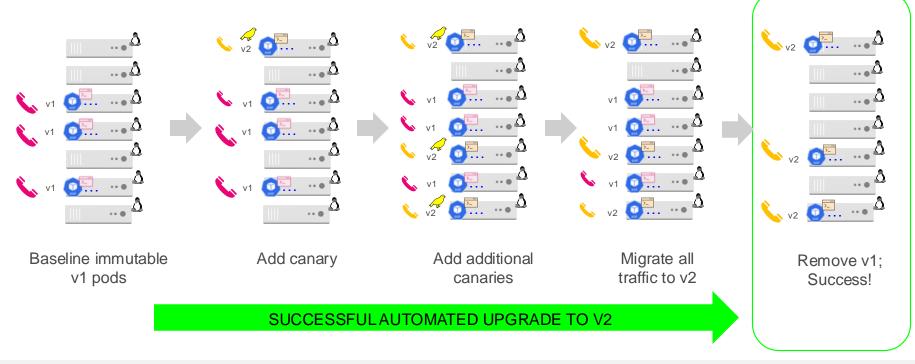
Traditional Customer Data Center w/Monolithic SBCs



Automated Deployment of New Services & Security Updates

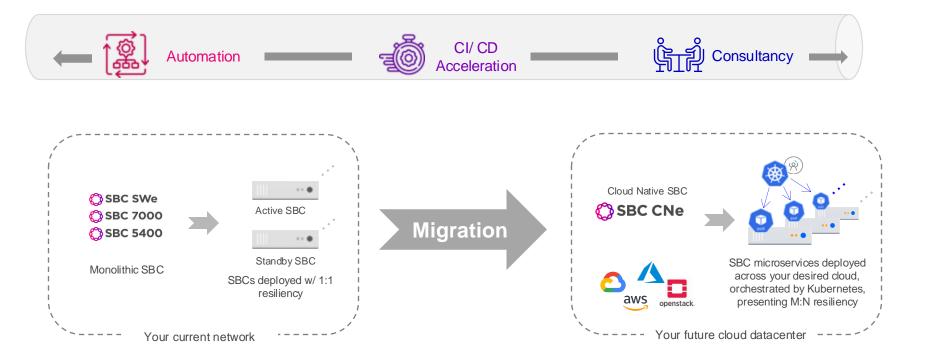


Cloud Native Customer Data Center





Ribbon Will Support You on Your Cloud Native Journey





The Wrap



 Reduced cost datacenter

Fast & furious SW updates





The Promise of the Cloud

But ... challenges exist

Ribbon here to help you overcome the challenges and realize cloud benefits



Thank You

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