

Deploying Riak

Deployment Considerations

- Where will the cluster be deployed?
- Is MDC and global distribution required?
- Virtual or Physical servers?
- Dedicated servers?
- Local disks? DAS? SAN?
- RAID 0 / RAID 1 / RAID 5 / RAID 6?
- Dedicated data drives?

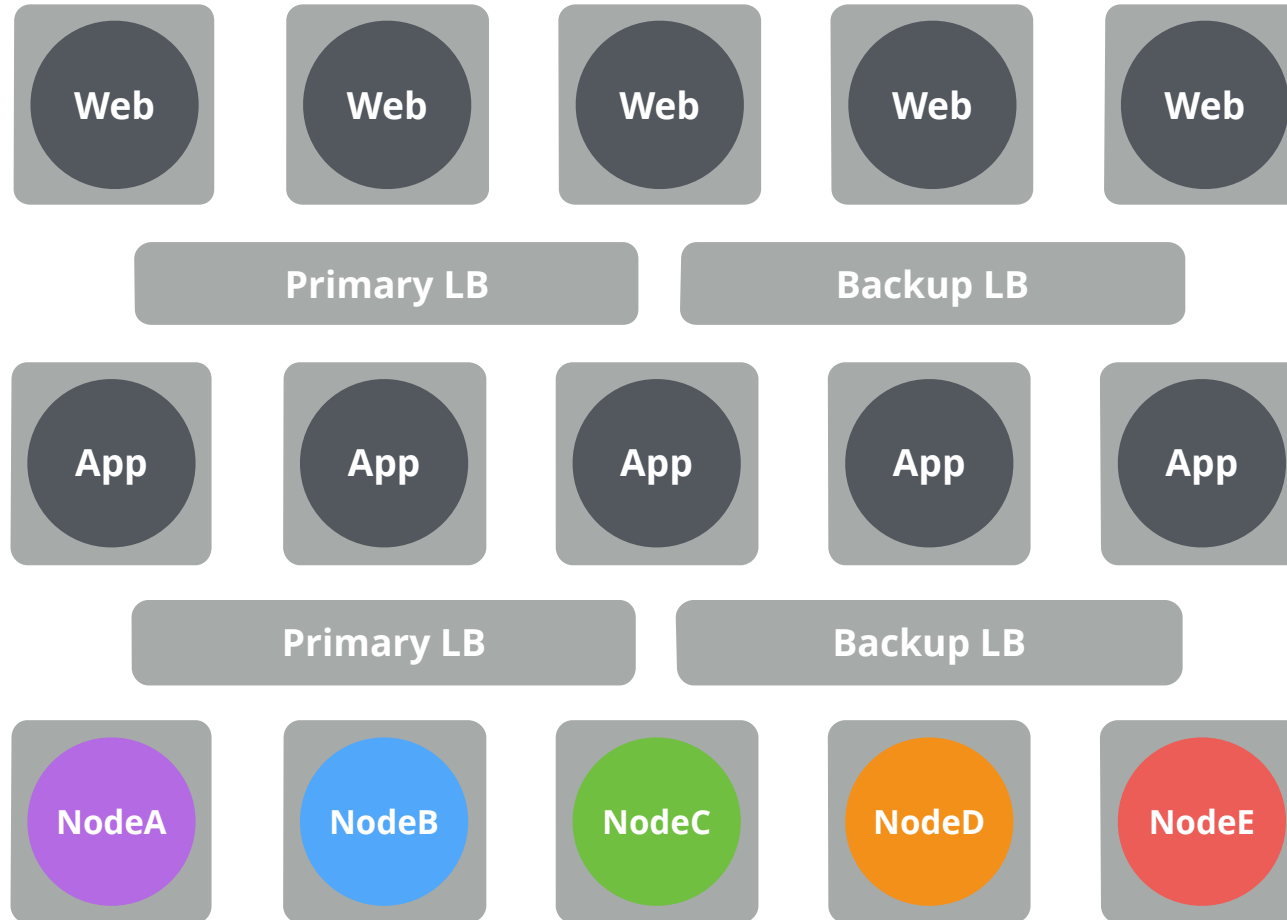
Deployment Considerations

- Is it a bounded data set?
- RAM to Disk Space ratio?
- Existing backup strategies?
- How is the load distributed/balanced?
- What features are needed? 2i? MR? TTL?
- What is expected growth? 3/6/12 months?

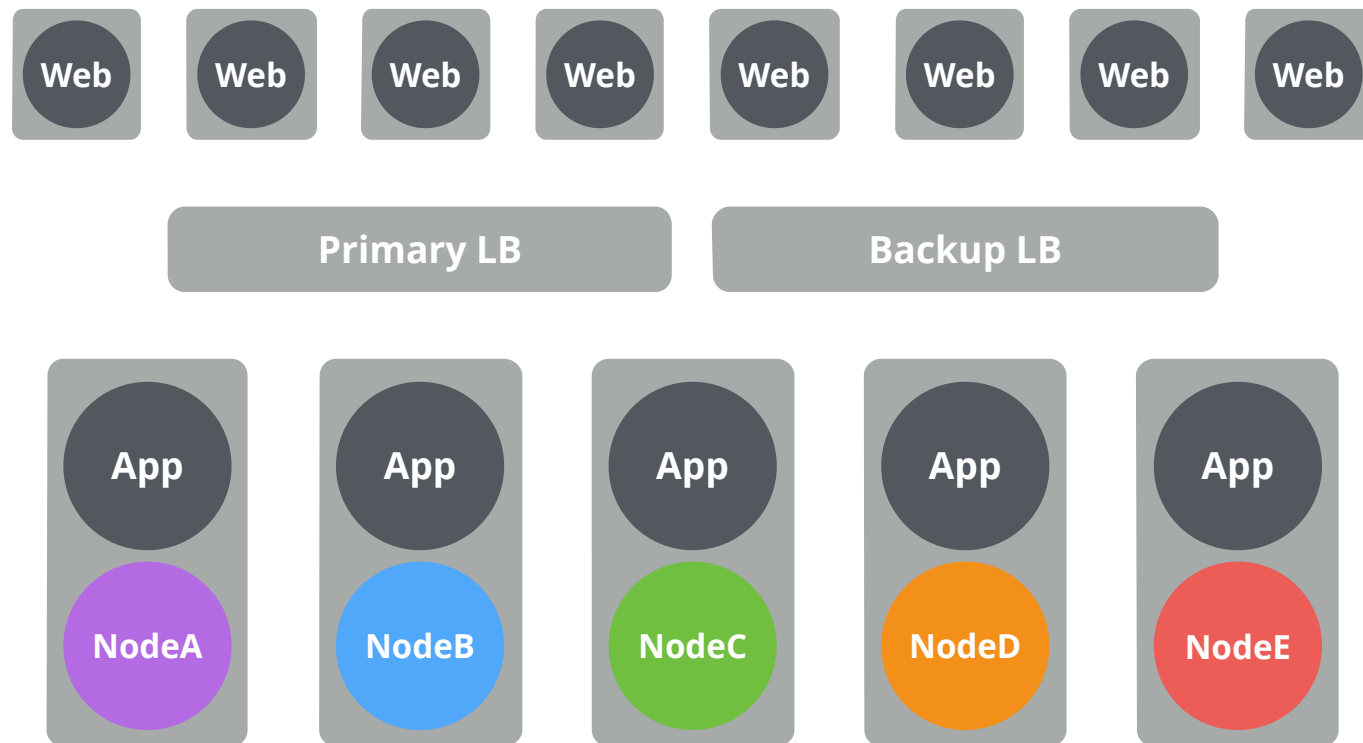
Deployment Considerations

- Existing configuration management system?
- Monitoring & Alerting?
- Networking topology and speed?

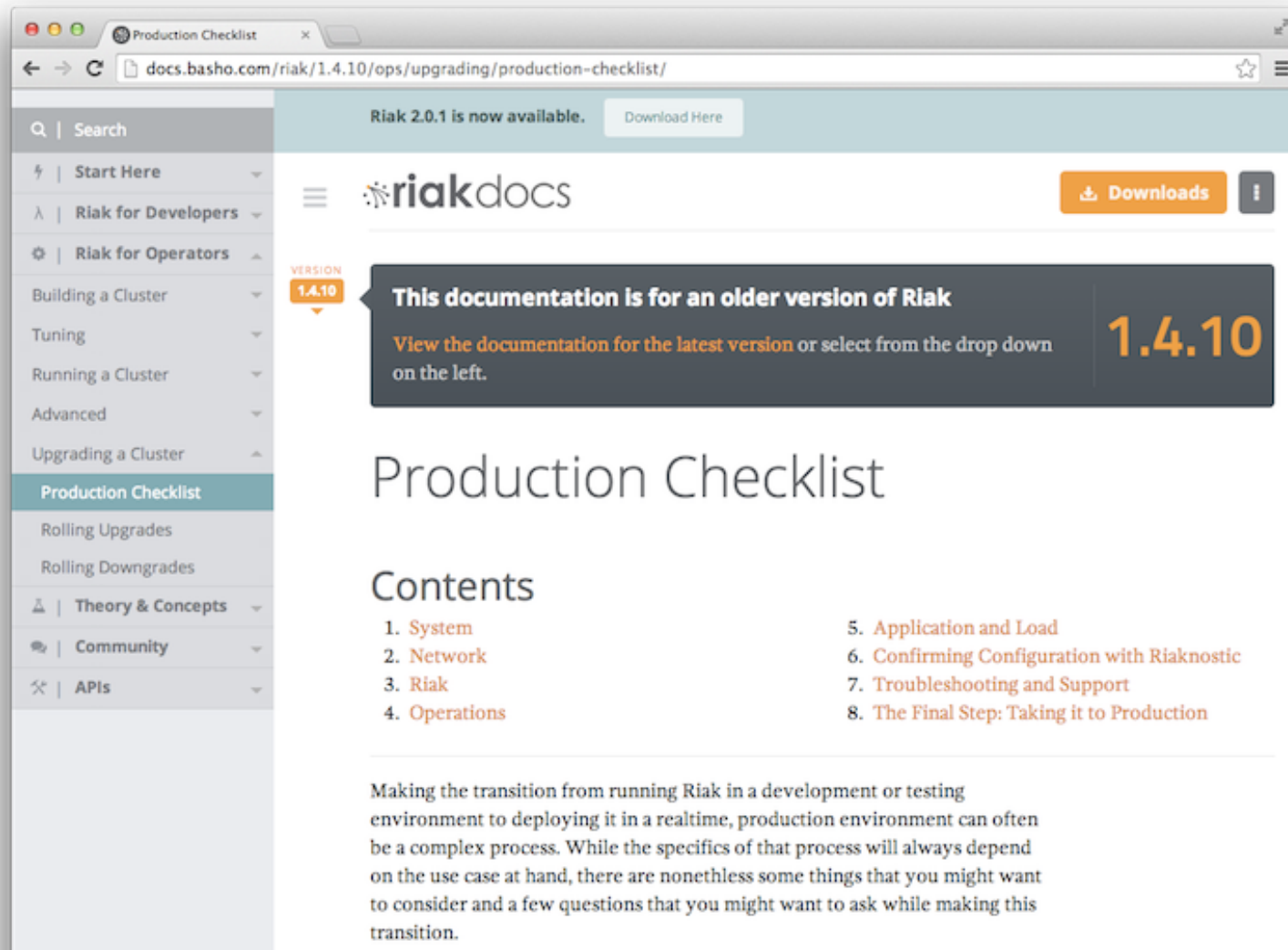
Example Architecture 1



Example Architecture 2



Production Checklist



The screenshot shows a web browser window with the URL `docs.basho.com/riak/1.4.10/ops/upgrading/production-checklist/`. The page features a sidebar on the left with a search bar and a navigation menu. The main content area has a header with the Riak logo and a version selector set to 1.4.10. A dark banner indicates that the documentation is for an older version of Riak and provides a link to the latest version. The title of the page is "Production Checklist". Below the title is a "Contents" section with a list of eight items. The first item, "1. System", is highlighted in orange. The rest of the page is partially visible, showing the beginning of the introductory text.

Production Checklist

Contents

1. System
2. Network
3. Riak
4. Operations
5. Application and Load
6. Confirming Configuration with Riaknostic
7. Troubleshooting and Support
8. The Final Step: Taking it to Production

Making the transition from running Riak in a development or testing environment to deploying it in a realtime, production environment can often be a complex process. While the specifics of that process will always depend on the use case at hand, there are nonetheless some things that you might want to consider and a few questions that you might want to ask while making this transition.