IMPLEMENTATION CHECKLIST:
Five Essential Steps to Prepare for Infrastructure as Code

Implementing Infrastructure as Code (IaC) is a transformative step towards automating and managing your IT infrastructure more efficiently. To ensure a smooth transition and successful implementation, here's a five-point checklist to prepare you for IaC success:

1. Assess Current Infrastructure and Define Objectives

✔ Inventory your existing infrastructure to understand the scope and complexity of what needs to be managed through IaC.

✔ Clearly define your objectives for adopting IaC, such as improving deployment times, ensuring consistency across environments, enhancing security, or reducing operational costs.

2. Select the Right IaC Tools and Platforms

✔ Research and evaluate IaC tools that best fit your organization's needs, technology stack, and existing workflows. Consider factors like community support, compatibility with your cloud providers, and the learning curve for your team.

✔ Popular IaC tools each have strengths, so choose the one that aligns with your objectives and technical requirements.

3. Develop Skills and Knowledge within Your Team

✔ Identify skill gaps in your team and provide training on the selected IaC tool(s) and best practices in IaC management.

✔ Encourage a culture of learning and experimentation, allowing your team to become comfortable with the principles of IaC and the specific syntax and features of your chosen tools.

4. Establish Version Control and Collaboration Practices

✓ Implement a version control system for your IaC configurations to track changes, facilitate collaboration, and enable rollback in case of issues. Git repositories are commonly used for this purpose.

✓ Define workflows for writing, reviewing, and deploying IaC configurations, including peer review processes to ensure quality and compliance.

5. Plan for Security, Compliance, and Continuous Improvement

✓ Integrate security and compliance checks into your IaC process from the start. This includes defining security policies as code and using automated tools to enforce these policies.

✓ Establish a feedback loop for continuous improvement of your IaC practices. Monitor deployments, gather feedback from your team, and adjust your processes and configurations as needed.

FORTY 8 FIFTY
LABS — a verinext company

By following this checklist, your organization can prepare effectively for the adoption of IaC, setting the stage for a more agile, efficient, and secure management of your IT infrastructure.

To begin your IaC journey, read this solution paper, then contact Forty8Fifty Labs to start a conversation.

forty8fiftylabs.com