DevNetOps Journey

How We Brought DevOps to Network Team

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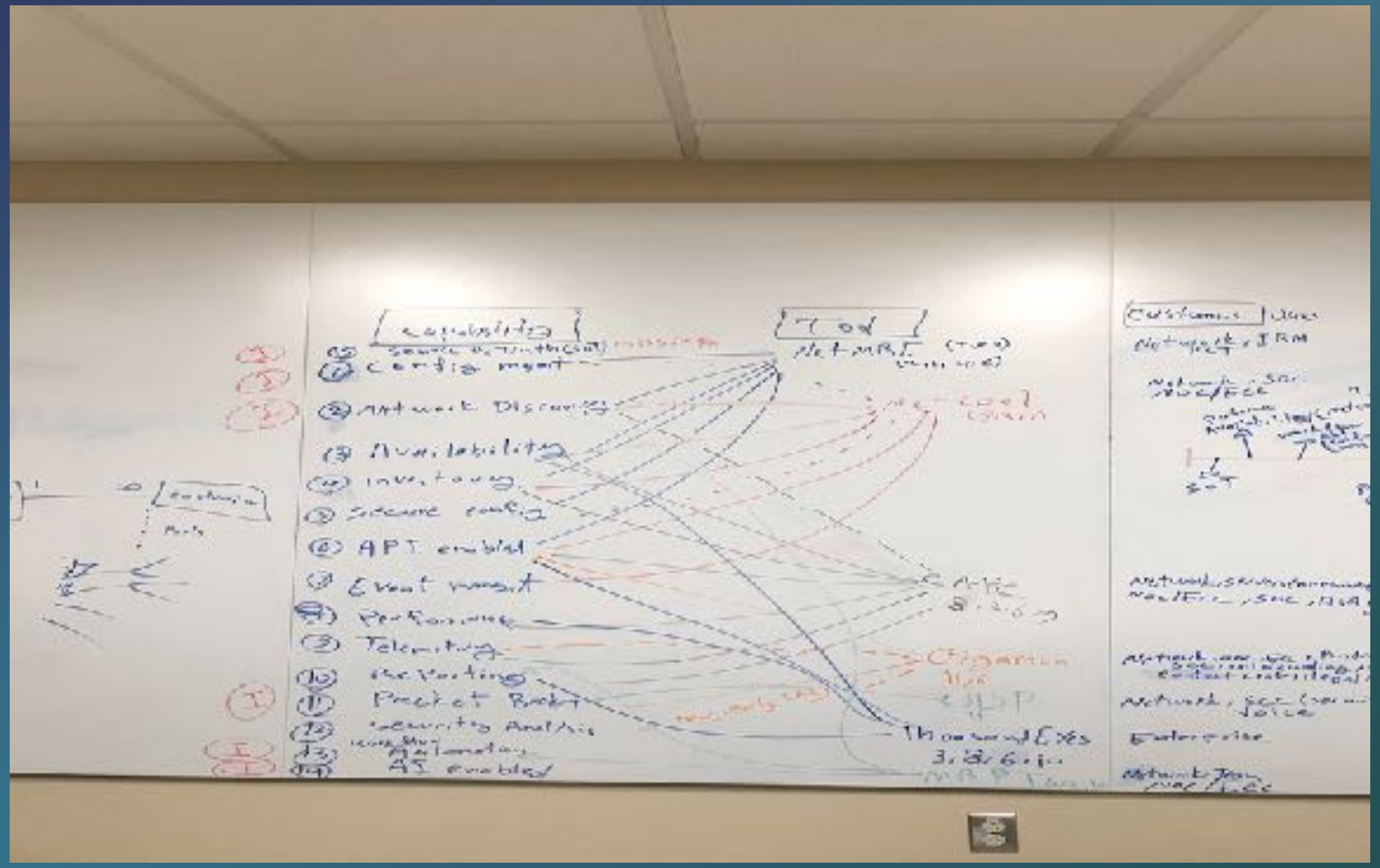
Team & capability instead of SMEs and Tools



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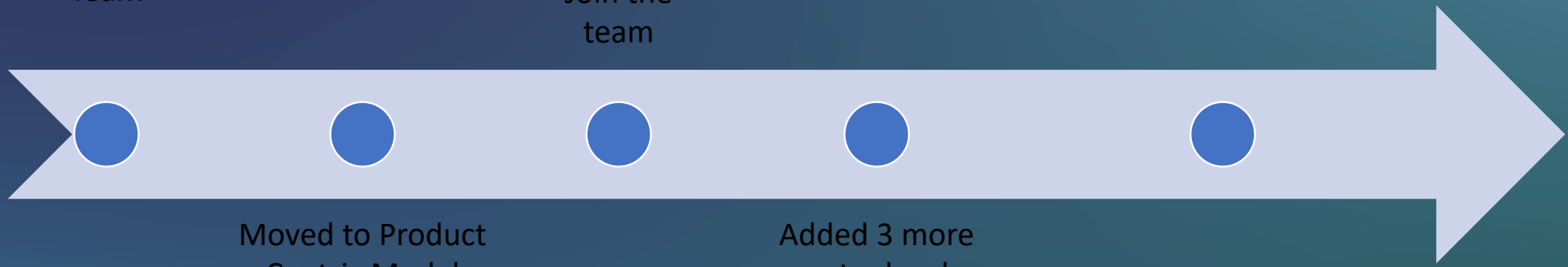

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Leading Everyone to the Learning Zone

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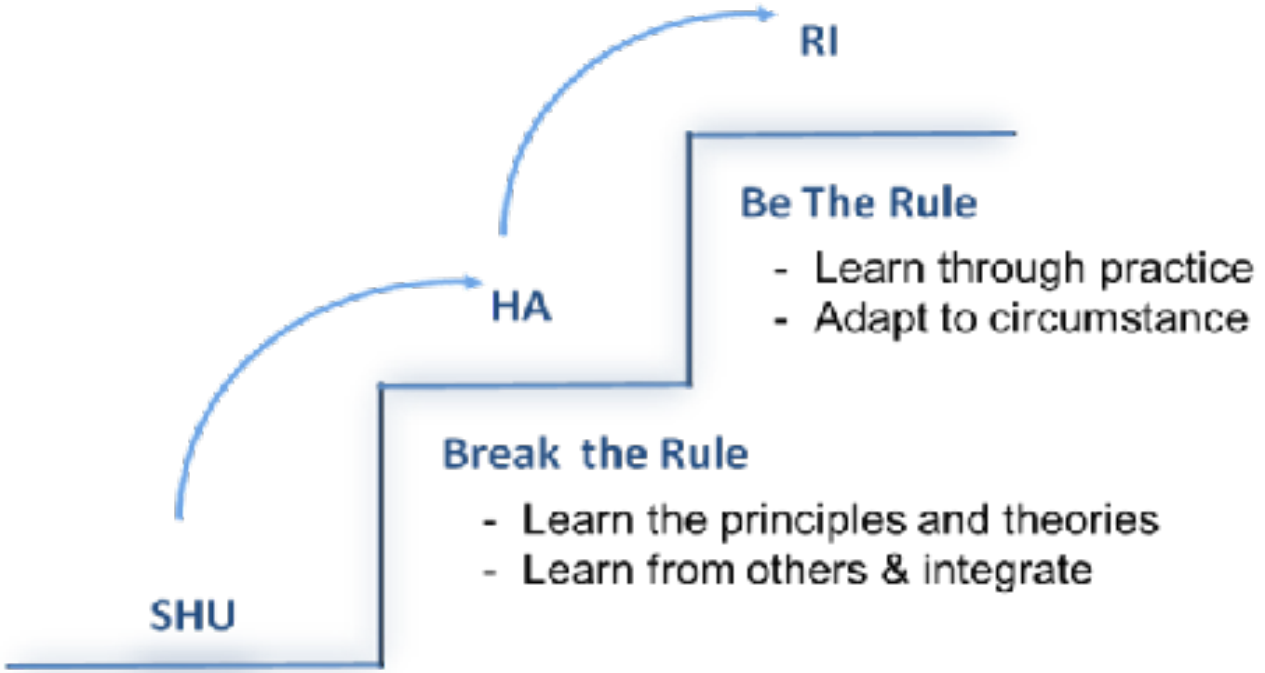
Shu Ha Ri - Stages of Learning



Be The Rule

- Learn through practice
- Adapt to circumstance

Break the Rule

- Learn the principles and theories
- Learn from others & integrate

Follow the Rule

- Follow the teachings precisely
- Focus on how to do the task as taught

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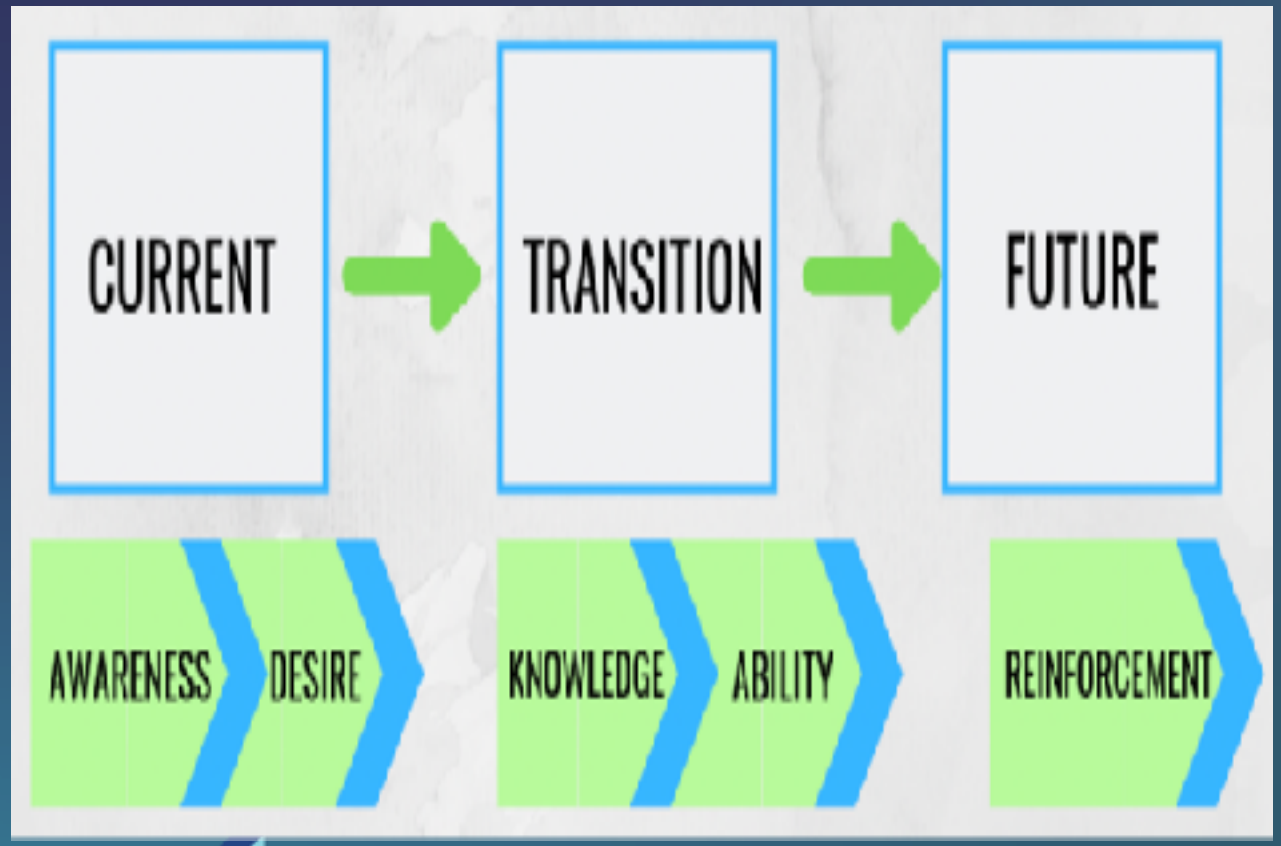
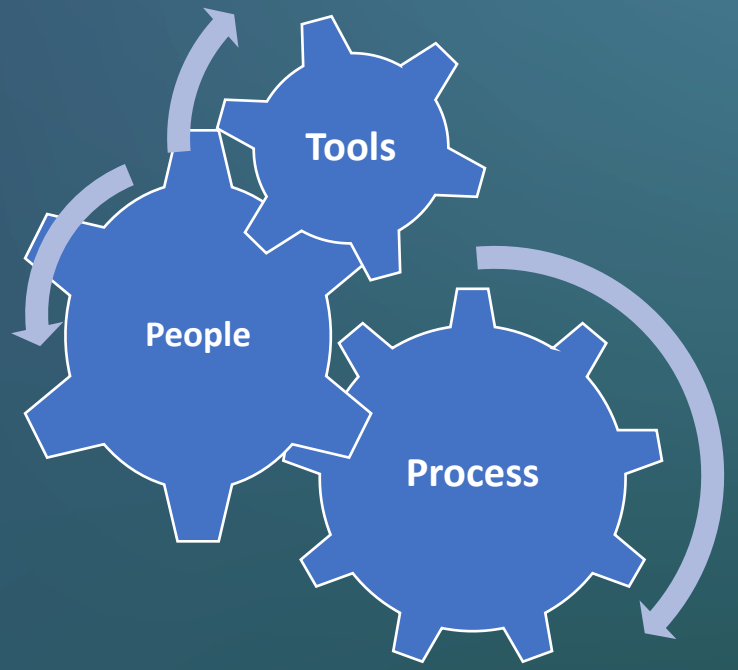
How We Approached the Change





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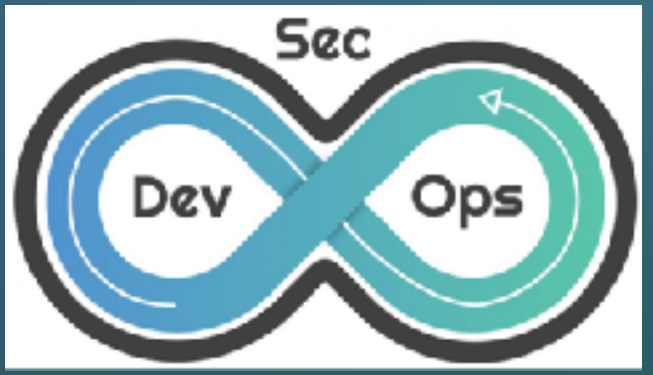
DevOps

Adoption of DevOps and DevSecOps mindset, practices and tools for building a culture of **shared responsibility**, **transparency**, and **faster feedback** to minimize downtime and resolve issues faster with higher quality and stability.

Start with your organization standards:

- **Plan:** Jira
- **Code**: GitHub
- **Build**: Concourse, Jenkins, Artifactory
- **Test**: Comply
- **Deploy**: Harness
- **Operate**: RocketChat, AnswerHub, MS Teams
- **Monitor**: New Relic, Splunk



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Cross Functional Team – One Team

Developer

Expert at writing code. Comfortable working with DevOps tools, help Technology Engineer to design any process with Automation in mind. Empower the team to think of automation to solve/prevent production problems, automate SNOW requests, build new features. Help in building the automation backlog.

Network Engineer

Subject matter expert. Work closely with the developer, help in gathering requirements, design , UAT testing, acceptance criteria, post validation and customer feedback loop.

Product Manager

Set Automation focus and help to connect back to the organization goals and focus areas. Set the priority, expectations, metrics and oversee the delivery.

Scrum Master / TDP (Technology Delivery Professional)

Manage backlog, workflow and delivery. Make sure team is meeting their expectations. Help team in backlog grooming activities. Help drive DevOps and Agile standards and continuous improvement of how team does work.

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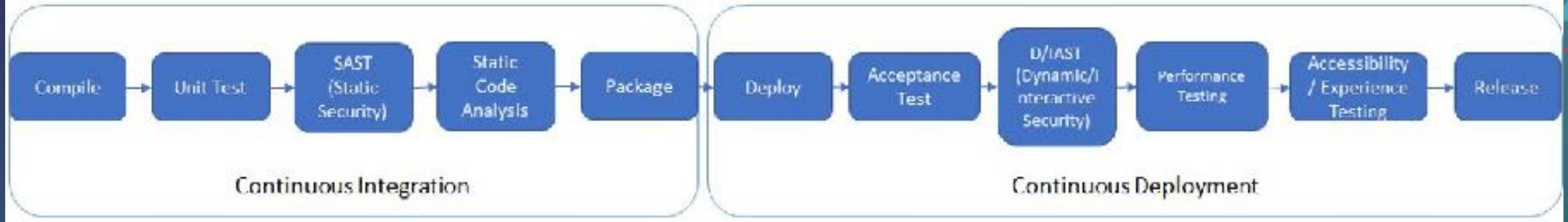
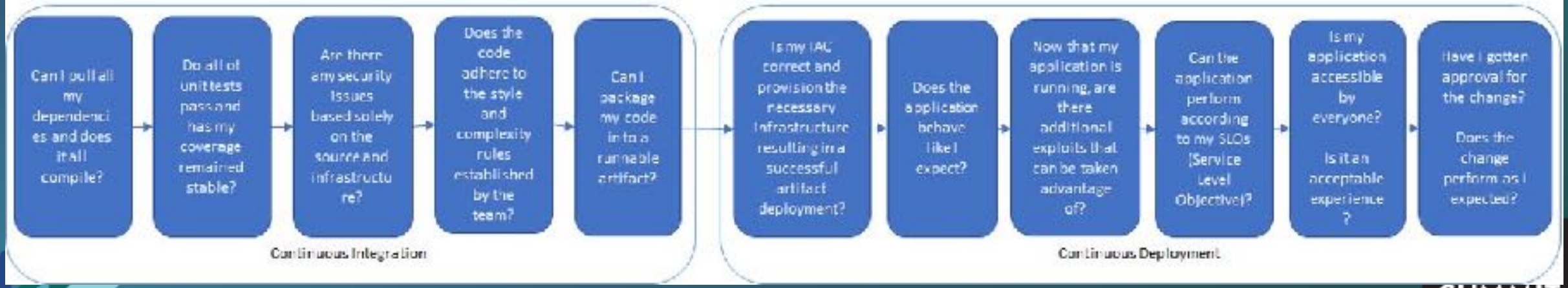
CI/CD Pipelines

We usually talk about pipelines as a series of tasks...



But let us, for a minute, imagine the pipeline as a series of questions...



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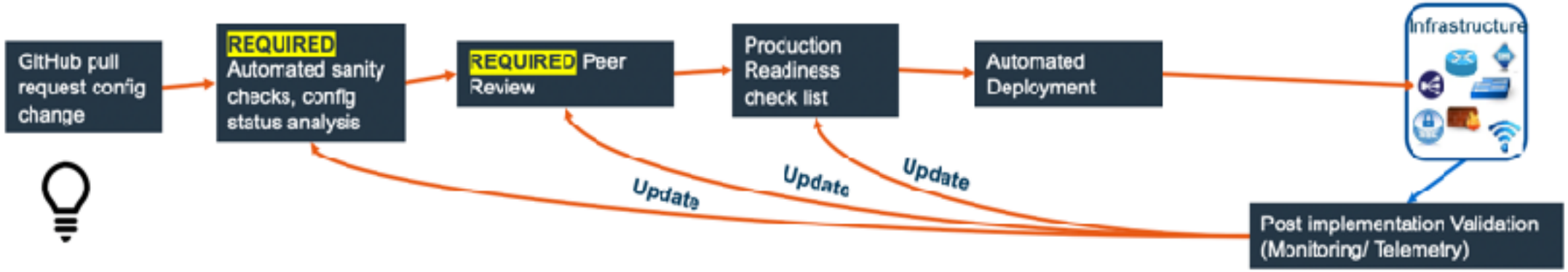
Old State – Change Pipeline

Working toward Future – Push Change in pipeline where version control, code review, testing and validation are **REQUIRED**.



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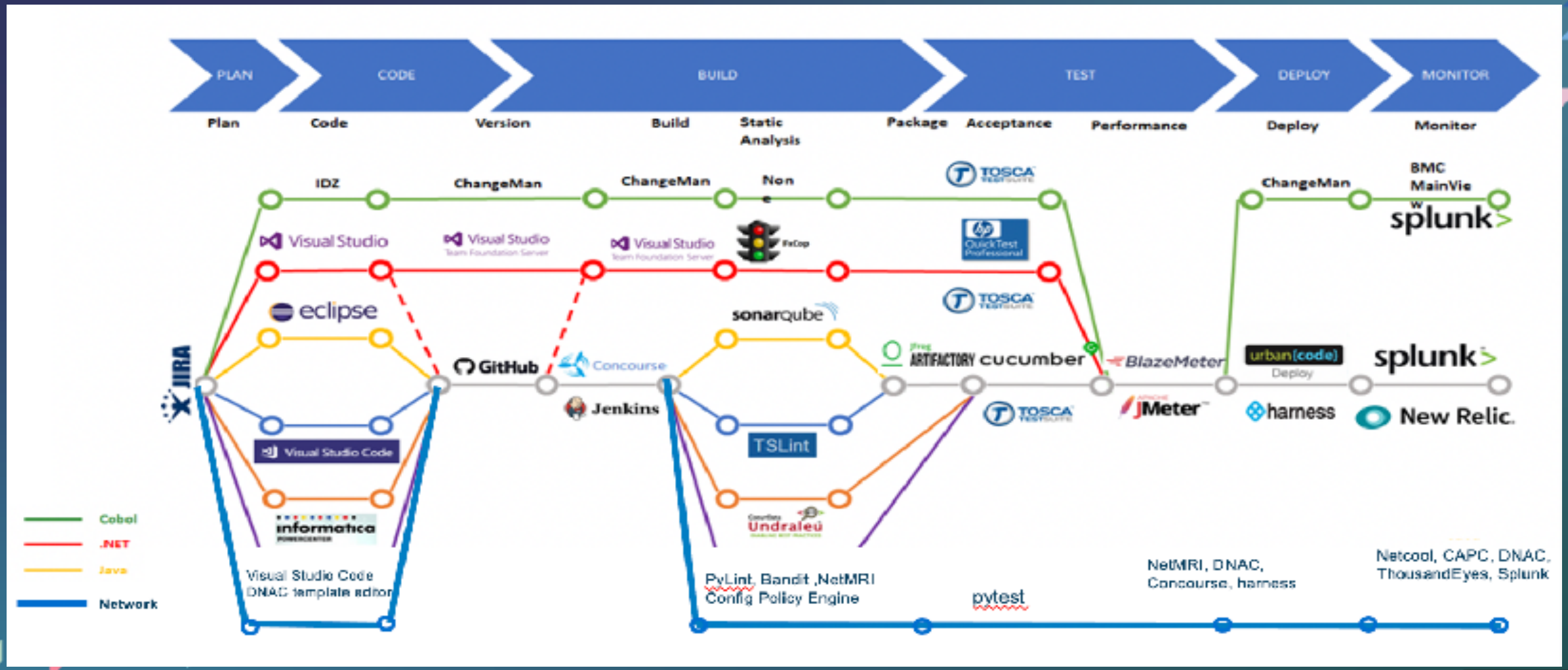
Toolchain



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