NETDEVOPS

REVOLUTIONIZE NETWORK, CODE, AND OPS

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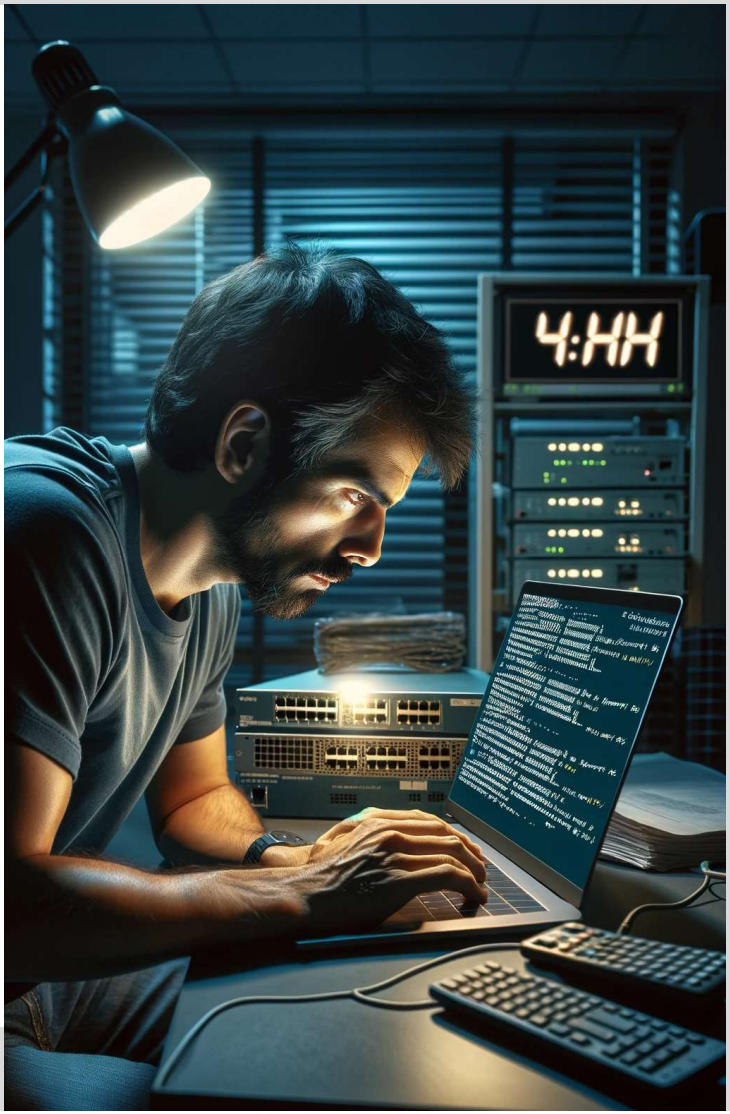
Traditional Networking: The Old Way

- Manual configurations
- Device-specific commands
- Inconsistencies, errors, and slow response times
- Growth = More Complexity

OLD WAY



NetDevOps – The emergence approach

- Automation tasks and configurations.
- Faster deployment
- Consistency
- Quicker responses to changes
- Improved Collaboration
- Network configurations are defined in code.
- Simplifies disaster recovery and rollback processes.
- Enhanced Monitoring and Troubleshooting

NEW WAY

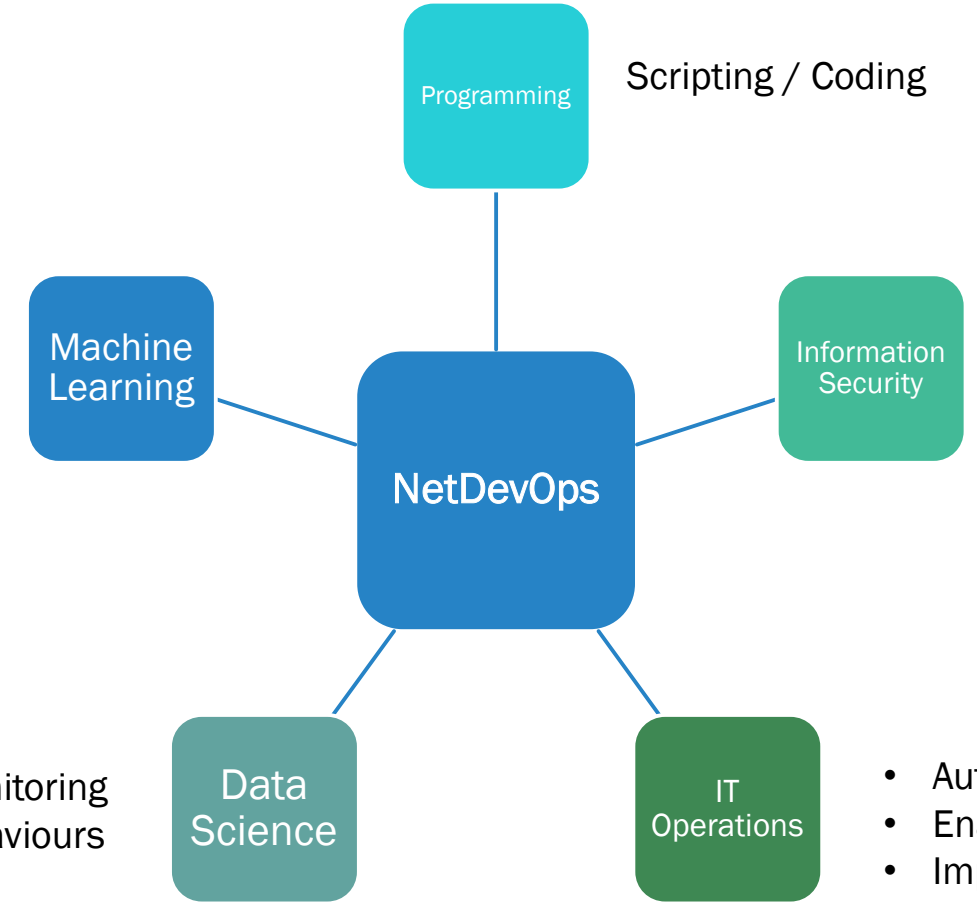
NetDevOps?

Networking

Development

Operations

Automate and enhance network management for increased efficiency.



Scripting / Coding

Algorithms for predictive analysis, anomaly detection

Protect configurations and tools

Data analytics and monitoring to predict network behaviours

- Automating routine tasks
- Enabling faster deployment
- Improving operational efficiency."

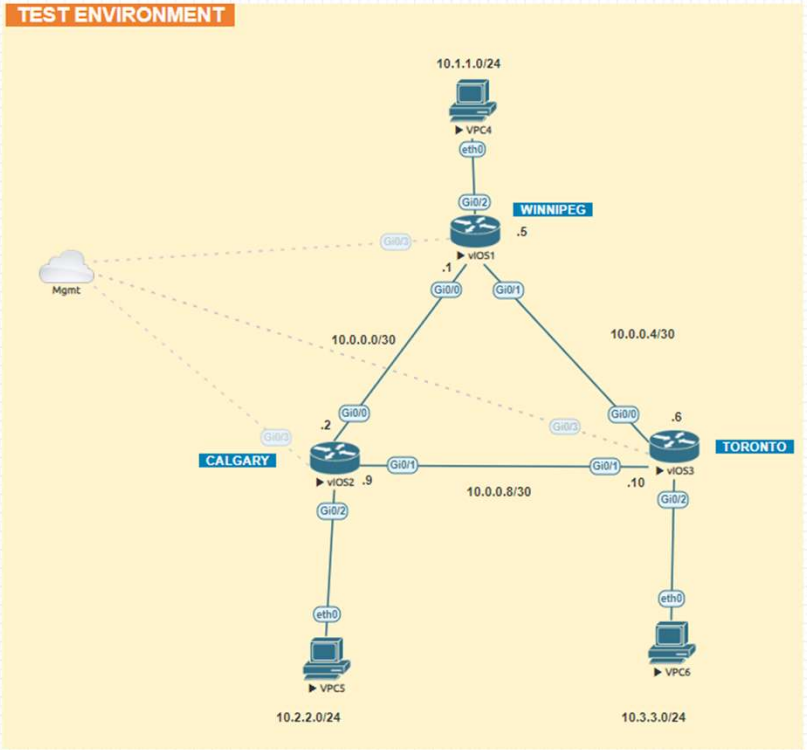
CHALLENGES

- **Change Resistance**
- **Skill Gaps and Training Needs**
- **Integration of Legacy Systems**
- **Security Concerns**
- **Tool and Technology Fragmentation**

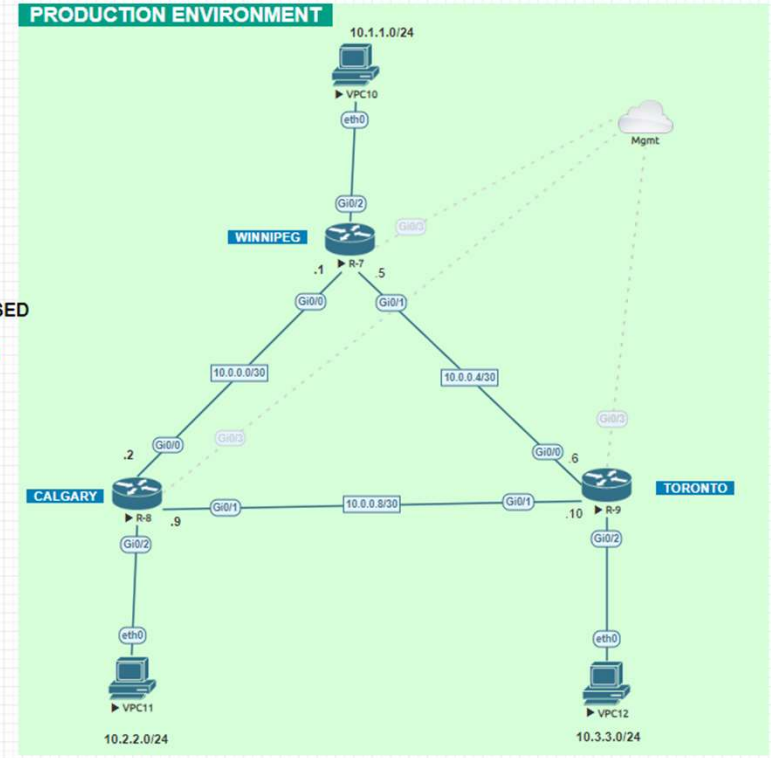
NETWORK AUTOMATION (RRC DEMO)

ANSIBLE + CI/CD GITLAB

https://github.com/wilmeralmazan/simple-ospf-cicd



DEPLOY TO PROD
ONLY IF ALL TESTS HAVE PASSED



Q/A

THANK YOU