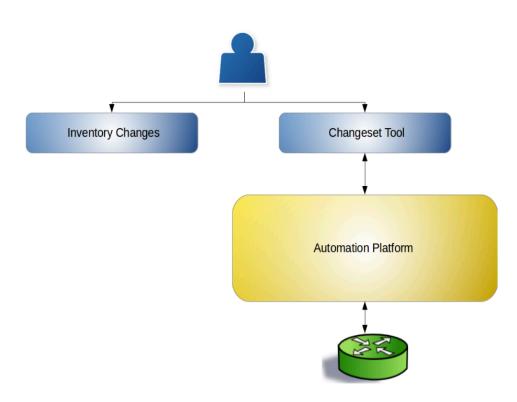
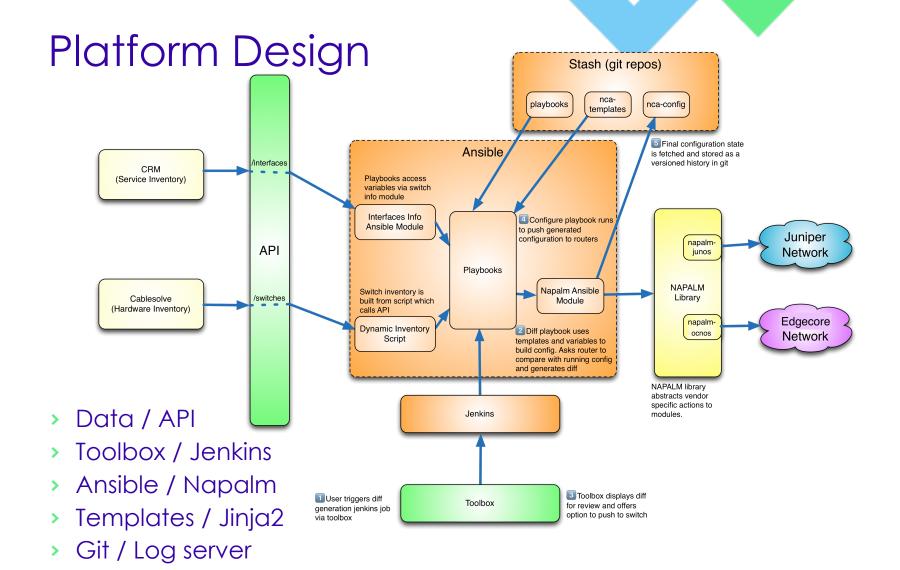


User Journey

- Inventory Data changes
- Changeset Tool
 - > Select LAN / Device(s)
 - Generate new Diffs
 - Review the Diffs
 - > Deploy the new configs









Challenges

Cross team project

- Software
- Network
- Systems

Knowledge share

- > Network configuration
- > Development practices
- Hands on workshops

> Preparation / Validation

- > Data model review
- Validation of existing data
- > Review of processes
- > Evaluation / Testing
- Template generation
- Safeguards
- Future development



Safeguards

- Locking mechanism
 - > API / Ansible
- Jenkins jobs / Ansible
 - > Logs, Serialized deploys, Limits
- > Timings / Race conditions
 - Diff => Deploy
- Validations
- Manual configurations

> Logs

- > API, Changeset tool
- > Template changes
- Config changes
- > Deploy history

Permissions

- Access to tools
- > Ability to perform changes



Developments

Dedicated test environments

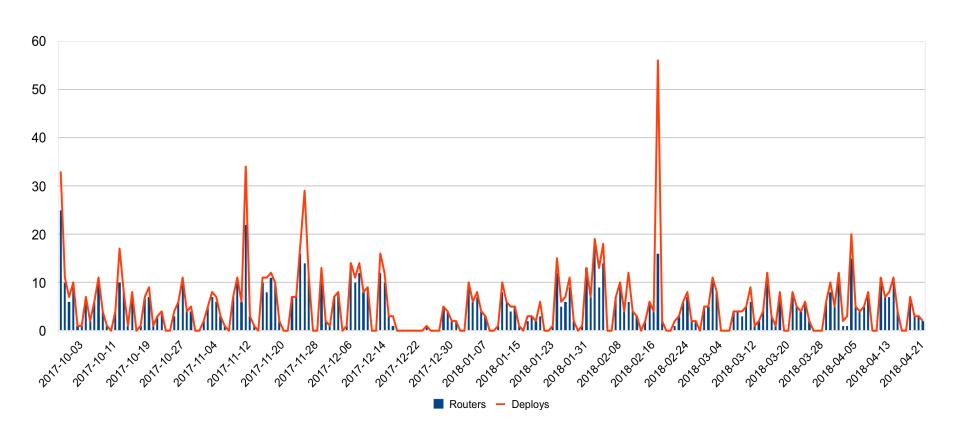
- Data (dedicated physical and service inventory systems)
- Changeset tool (user, integration)
- API / Data changes (fixed data set expected result)
- > Template development (Virtual and Physical lab devices)

Automated tests

- Software Devs: API changes, Changeset tool, Ansible modules
- > Network Devs: Template changes (Prs, Automated tests)



Initial Metrics (LON1)











Thank you for your attention

for further questions, email: eleni@linx.net and riccardo@linx.net



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