



From Science Experiment to Enterprise rollout

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Executive: Enterprise DevOps & Release Management

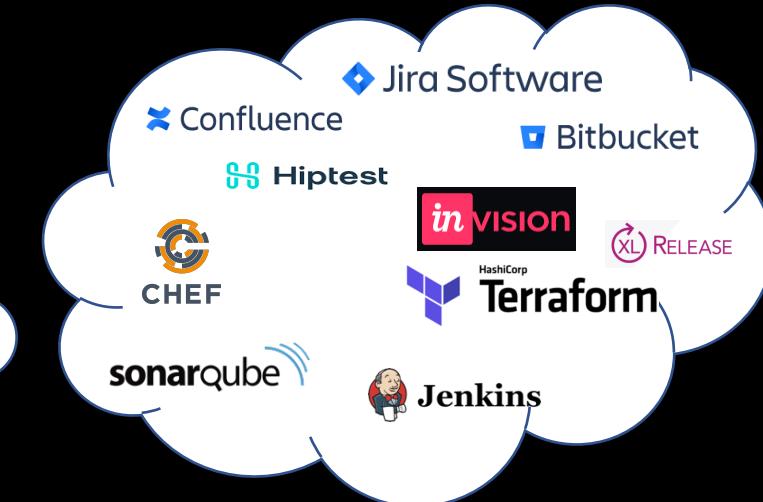
The end of the Science Experiment



CI/CD Pipelines across all stacks
The right tool for the right job –
Some battles are worth fighting



DevOps is done by everyone not
just the DevOps team



Provisioning & Configuration
across all platforms on prem and
in cloud
Growing credibility in DevOps

Scaling DevOps

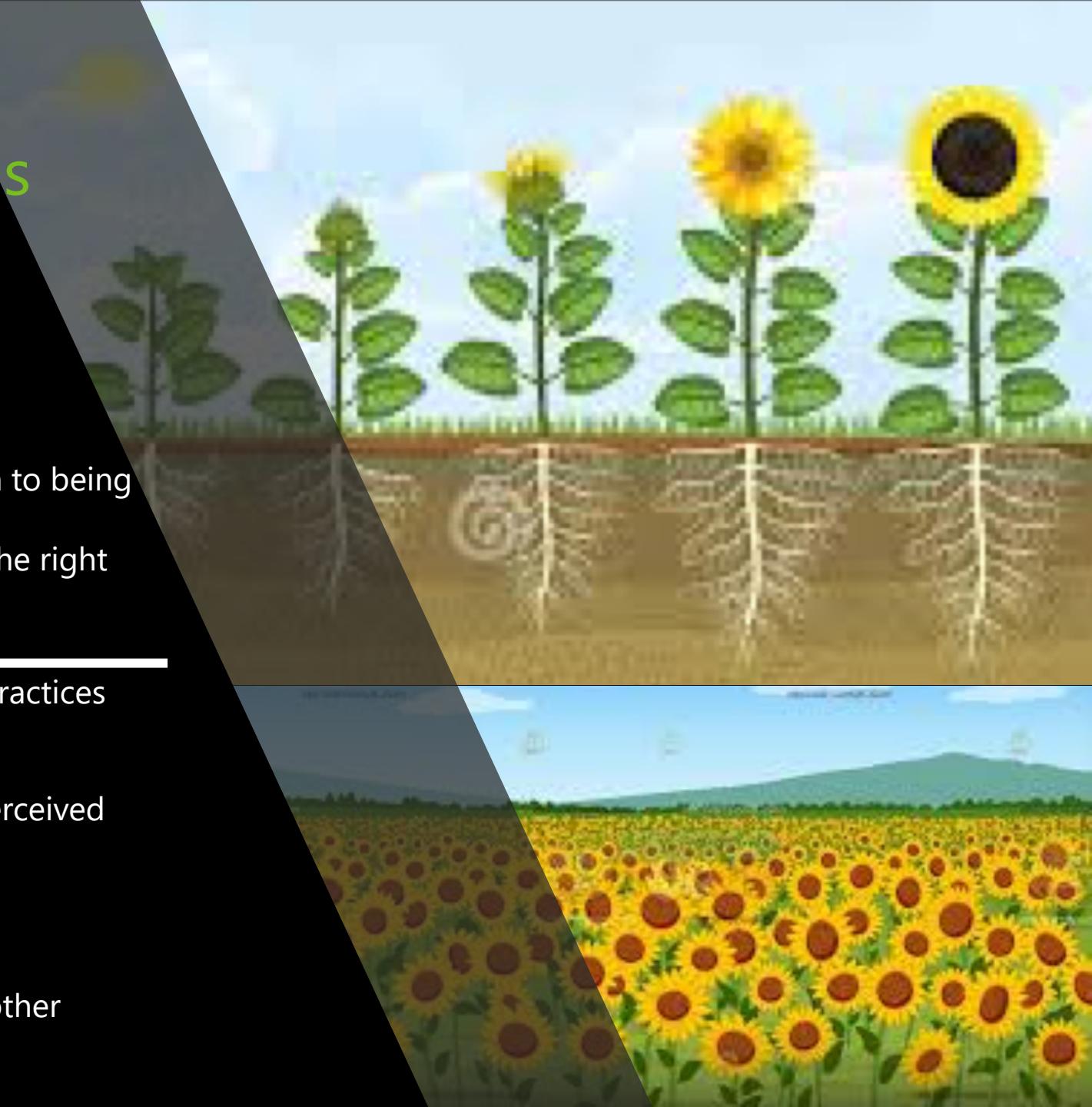
Doing DevOps was easy it is
now time to Scale DevOps



- Burning platform for change
- Mandate
- Investment
- Some willing buyers who are open to being guinea pigs
- Amazing DevOps Engineers with the right attitude



- Loss of discipline of engineering practices
- Fear of change
- Fear of impact of automation
- Lack of trust in the automation (Perceived loss of control)
- Message is lost in the middle
- Standardization of tool chain
- Elements of a traditional culture
- Attrition of DevOps engineers to other countries



"Every person in your company is a vector. Your progress is determined by the sum of all vectors" Elon Musk



- Agile and DevOps adoption does not absolve leadership of supporting and guiding their teams
- Consistent message through all layers of management
- Measurement of the adoption
- Driving the culture of continuous improvement
- Rewarding the correct behaviors
- Driving the principles and guidelines for the teams
- Look at the system holistically as a full Value Stream
- **Ensure that the core of the transformation remains externally focused**



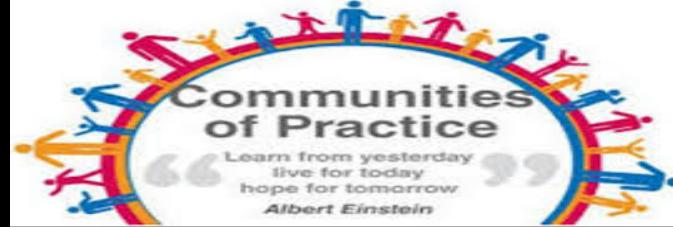
- People are inherently scared
- Create excitement for the change
- Articulate the opportunities
- Allow the people who do the work tell you what is wrong

You can't change everything in one day. Make the traditional elements of your organisation work for you



Good for you, is DevOps

People listen to Jedi masters



- Getting knowledge leaders in the development and operations community on the journey first and using them to influence
- Collaboration with leading organizations
- Community references

- Guild to drive engineering practices and adoption
- Show and Tell days
- Internal DevOps days
- Guilds aligned to traditional CoEs
- Tailored Master classes(Face to face works better for us)

- Best performing squad
- Most improved
- Success story
- Adoption dashboard
- Communication across all levels in the organisation
- Tie in with traditional measures – Goal commitments, Scorecards

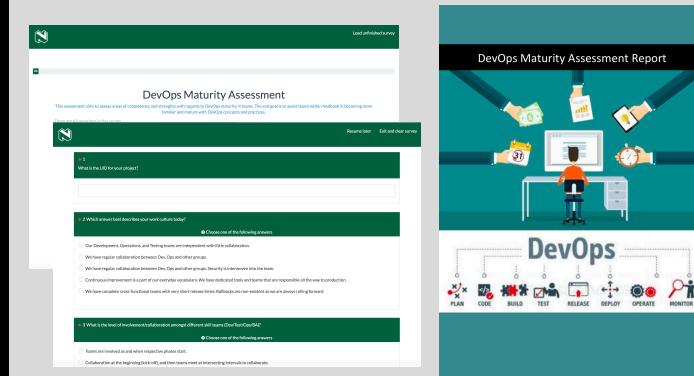
Create kits to enable scaling and consistency in the engagements with squads



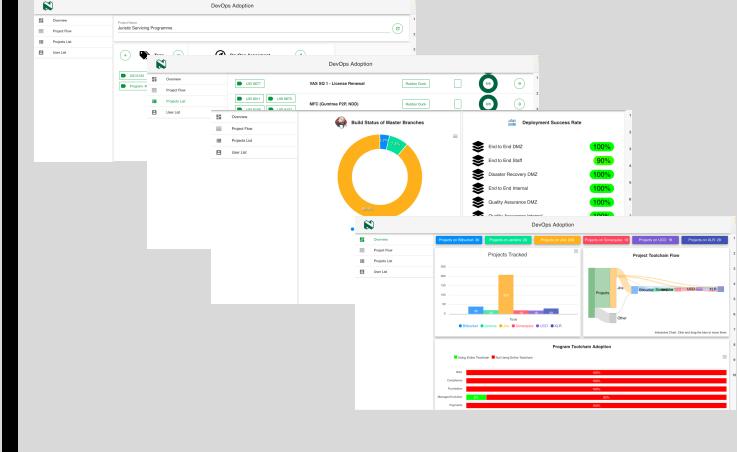
Tool Selection

Cost (Refer to Appendix)	Product A		Product B		Total
	No. of users	Price/ user/ Annum	Option 1 Product A	Option 2 Product B	
User Based Licences					
Adbian Confluence*					
Open source SPW & Topaz	The end-to-end integration of the CI/CD process, practices and tools into two real live delivery streams		●	●	●
Total	Total test	The ease of branching and merging of code (Source code management) and use of blockchain	●	●	●
Topaz Program Analysis	Topaz for Enterprise (shared code repositories)	●	●	●	●
Topaz for Enterprise (shared code repositories)	Topaz for Enterprise (shared code repositories)	●	●	●	●
2 Target LPARs for ISPL	2 Target LPARs for ISPL	●	●	●	●
Linkbox*	Linkbox*	Enables parallel development (Source code management) in a controlled manner	●	●	●
Xl Release (Pricing based on programme)*	Automated unit test creation and execution	●	●	●	●
Version management across path to production environments	Version management across path to production environments	●	●	●	●
Total	Total	Measure not available	●	●	●
Non-User Based Licenses					
Computerized Field/Dev/Test cost	Reduced effort of delivery through automation	●	●	●	●
Improve delivery velocity and efficiency	Improved delivery velocity and efficiency	●	●	●	●
Enable collaboration and automation deployment across multiple platforms (Using Xl Release)	Enable collaboration and automation deployment across multiple platforms (Using Xl Release)	●	●	●	●
SonarQube*Based on enterprise code-all stacks*	Improve cross platform visibility into continuous delivery pipeline (Using Xl Release)	●	●	●	●
Increase in deployment velocity	Increase in deployment velocity	●	●	●	●
Improve code quality	Improve code quality	●	●	●	●
Total cost *	Improve cross collaboration and dependency management between all squads	●	●	●	●
Base of support of tooling	Base of support of tooling	●	●	●	●
Cost	Cost	●	●	●	●
Complex Code Analysis	Complex Code Analysis	●	●	●	●

DevOps Maturity Assessment



DevOps Dashboard

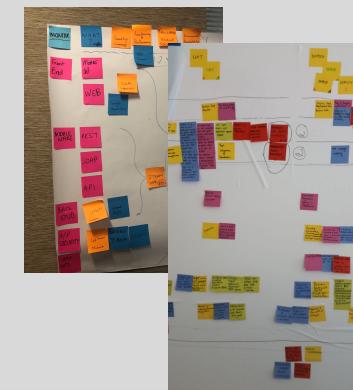


Master Class

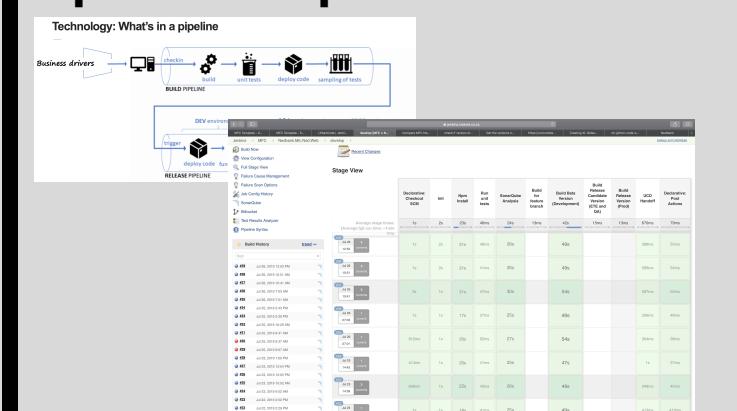
The screenshot shows the 'DEVOPS Training Masterclass' curriculum overview. It features a green graduation cap icon and the Nedbank logo. The curriculum is divided into 7 modules:

- 1) Introduction to DevOps
- 2) Version Control System (Git)
- 3) Dev Practices
- 4) Build Management Tool (Jenkins)
- 5) Infrastructure as Code (Chef)
- 6) Containers and Microservices (Docker)
- 7) Release: Continuous Deployment (Urban Code Deploy and Xl Release)

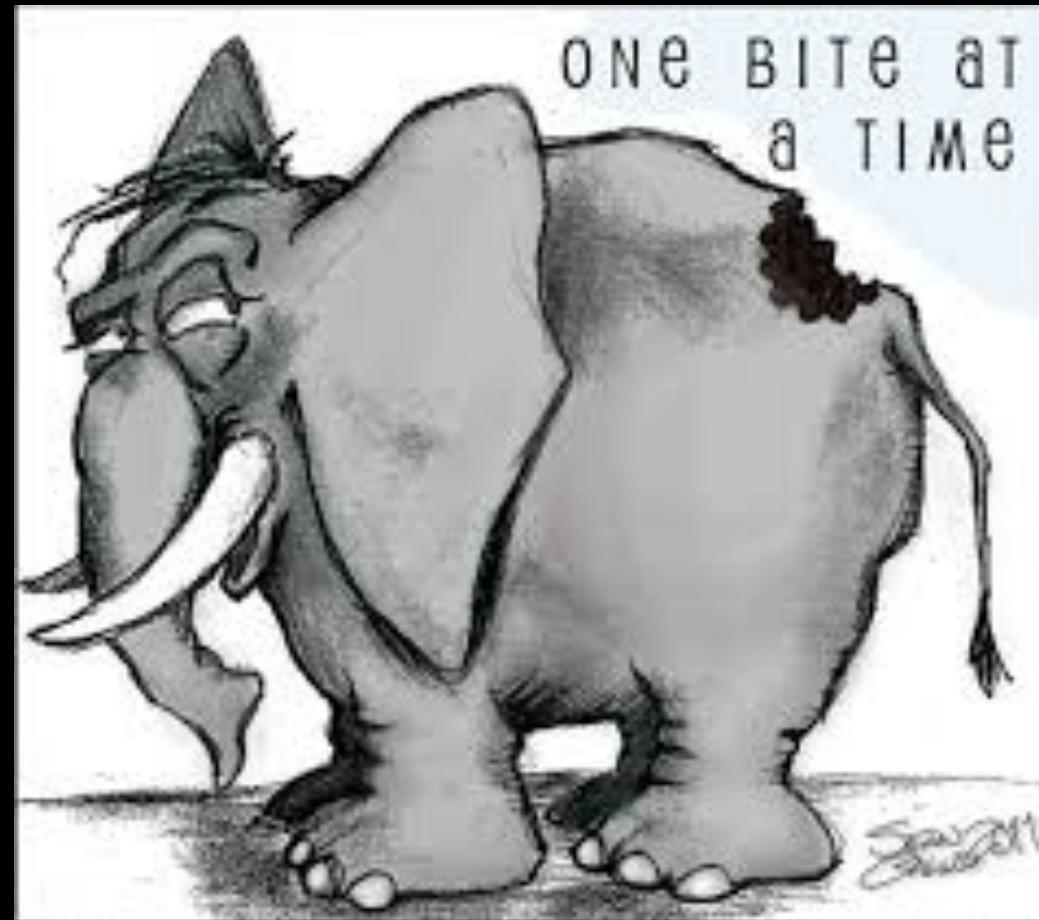
Engagement toolkit



Pipeline Templates



Changing the organisation one pipeline at a time



Even an old
traditional one!!!!