What's this?

278

Intro

- I am Pramod Bommisetty
- Currently Test Automation Lead @ Barfoot & Thompson
- A total of 13 years of experience in Test Automations.
- Worked on various Automation testing's like OS, Embedded Systems, Web apps, API, Mobile Apps, Data warehouse and so on.

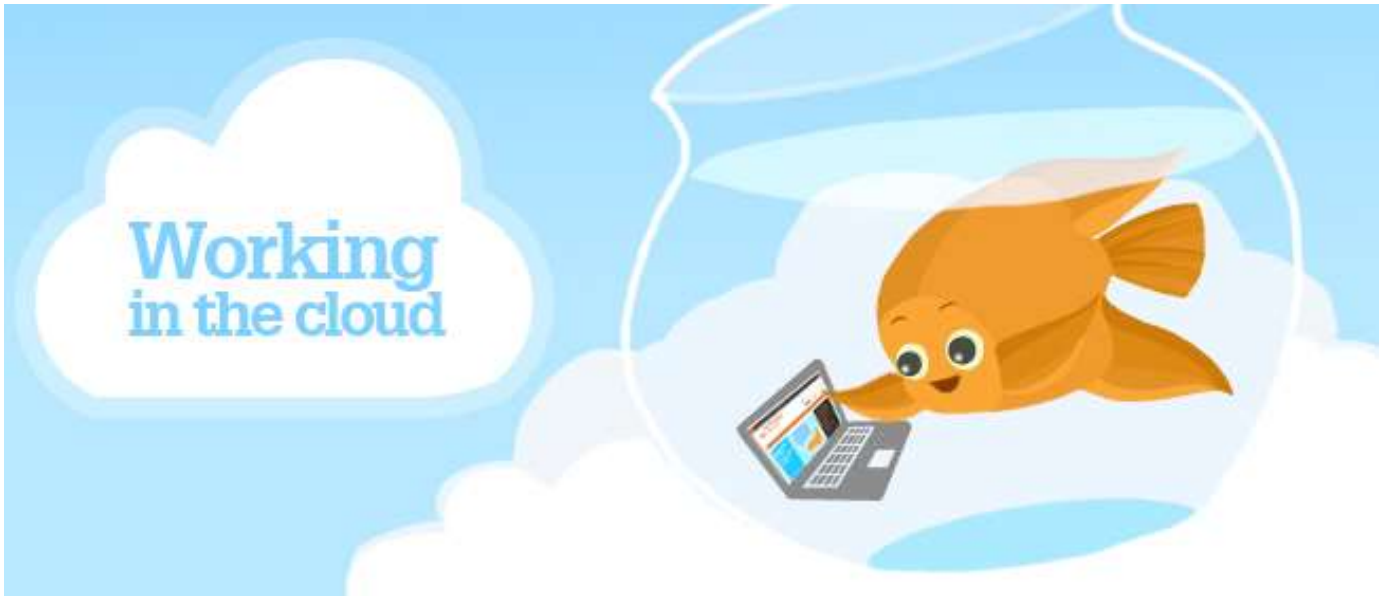
Moving Testing on to Cloud

OCTOBER 5, 2017

AUCKLAND

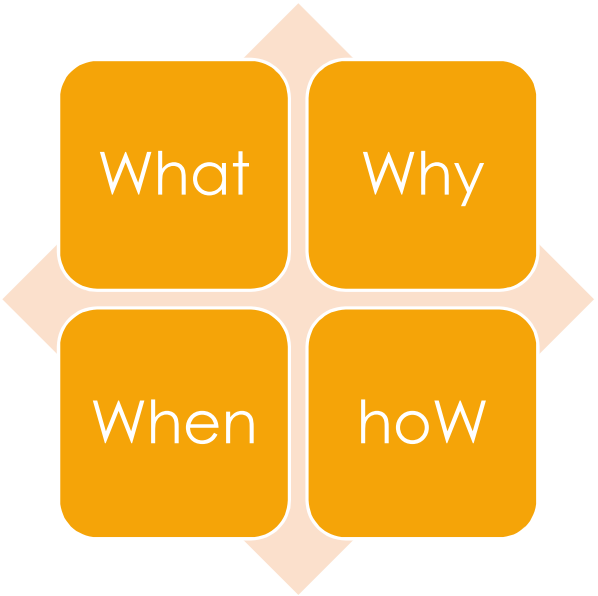
Are you using cloud already?

Are you working on Cloud?

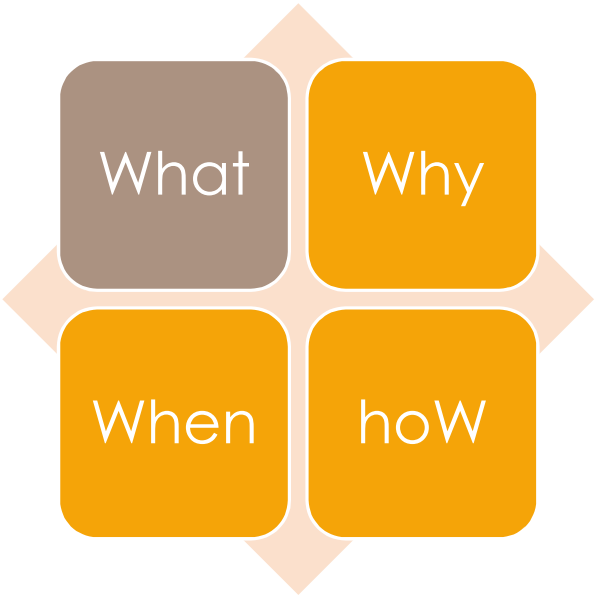


Tests on Cloud or Cloud Testing?

The 4 W's



The 4 W's



What?

- Types of Cloud
  - Private
  - Public
  - Hybrid

Private Cloud

Public Cloud

Hybrid Cloud

What?

- Types of Automation on Cloud
  - Functional
  - Non-Functional

What?

- Types of Automation on Cloud
  - Functional
  - Non-Functional
- Areas of Cloud usage in Test Automation
  - Environments
  - Functional / Non Functional testing
  - Storage of test data, logs
  - Reports/ Tracking

What Benefits and opportunities?

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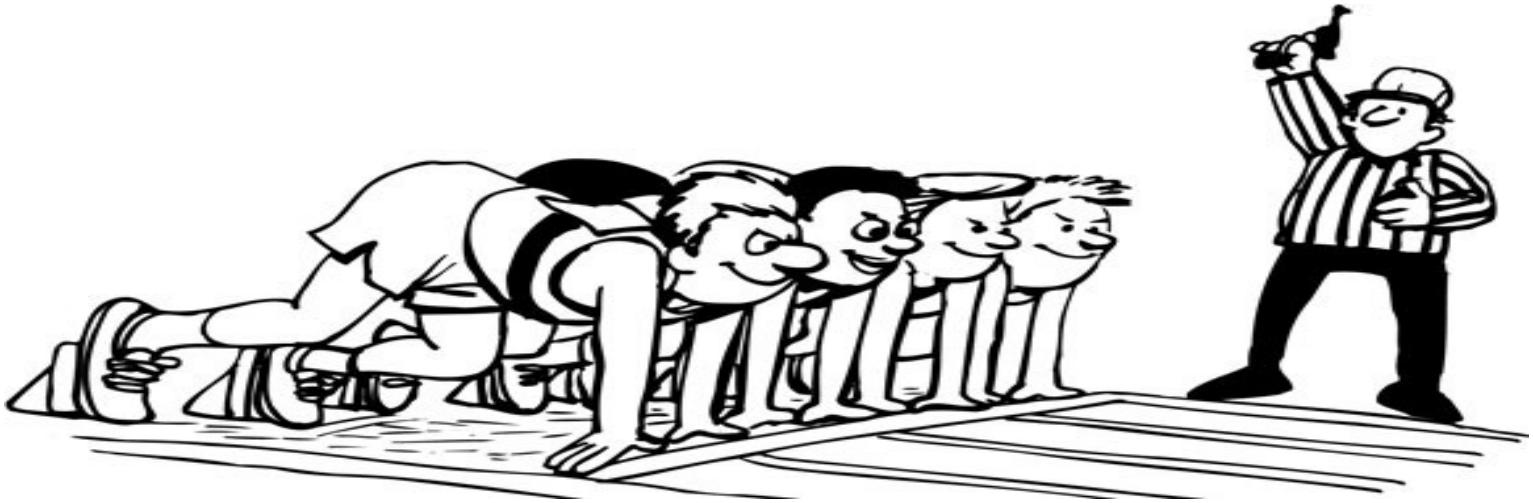

What Benefits and opportunities?

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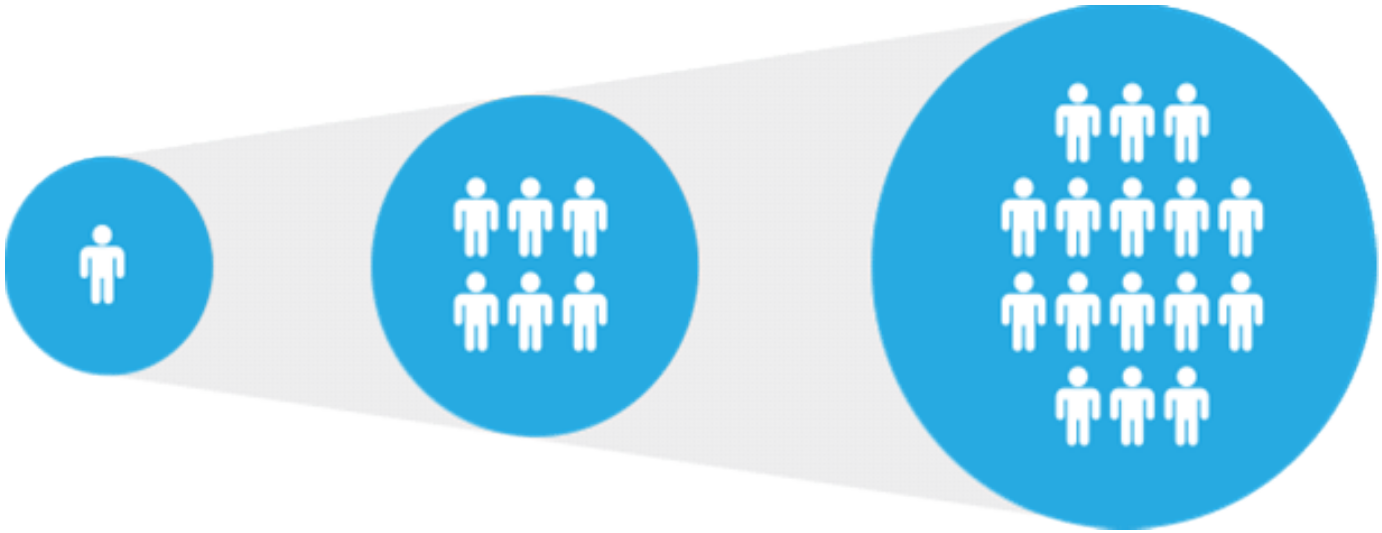
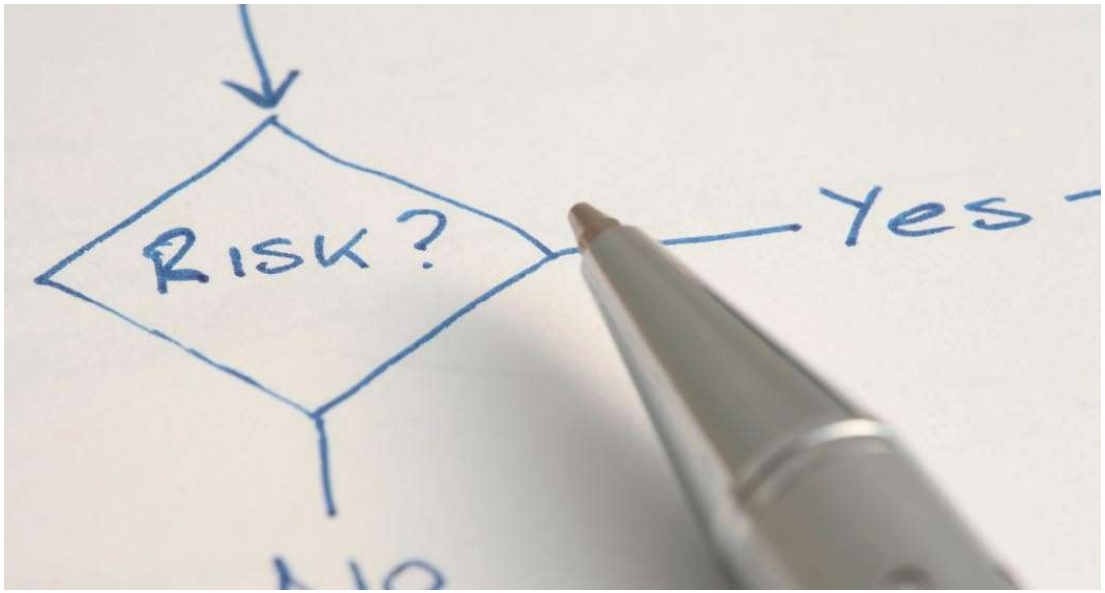


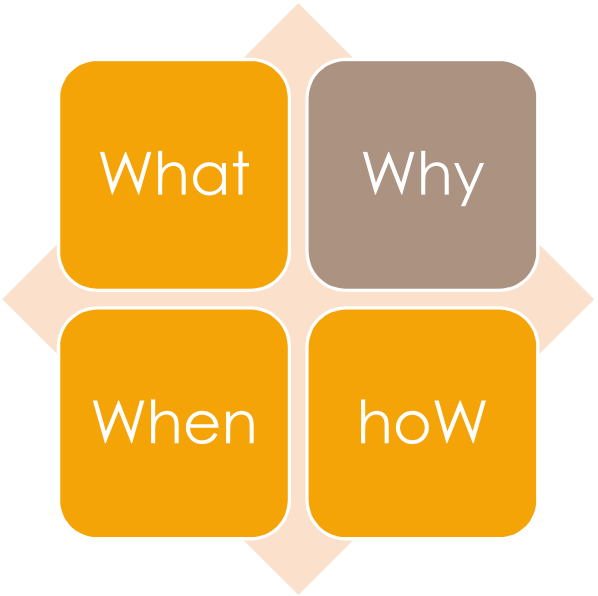
What Risks and Challenges?



What Risks and Challenges?

- *The Wall Street Journal* reported that the outage "cost companies in the S&P 500 index $150 million, according to Cyence Inc., a startup that specializes in estimating cyber-risks. Apica Inc., a website-monitoring company, said 54 of the internet's top 100 retailers saw website performance slow by 20% or more."

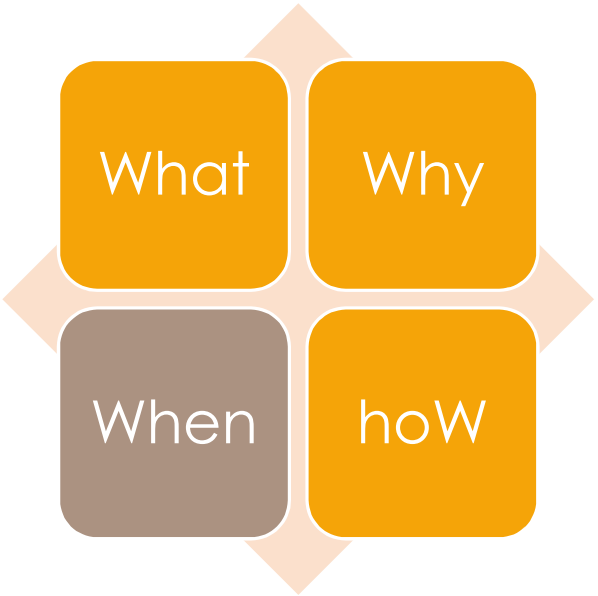
The 4 W's



Why?

- Changes in existing dimensions of testing
- Requirement for new environments
- Increasing characteristics of Applications
- Necessity of collaboration between teams located globally
- Increase in the regular releases of application
- Reduce the cost in maintaining hardware.

The 4 W's



When?

- Faster results
- More regular releases
- Apps are moved to Cloud
- CI / CD with Continuous Testing
- Not able to provide enough coverage with traditional testing
- Team is growing rapidly
- No, of Mobile devices that supported by your app.

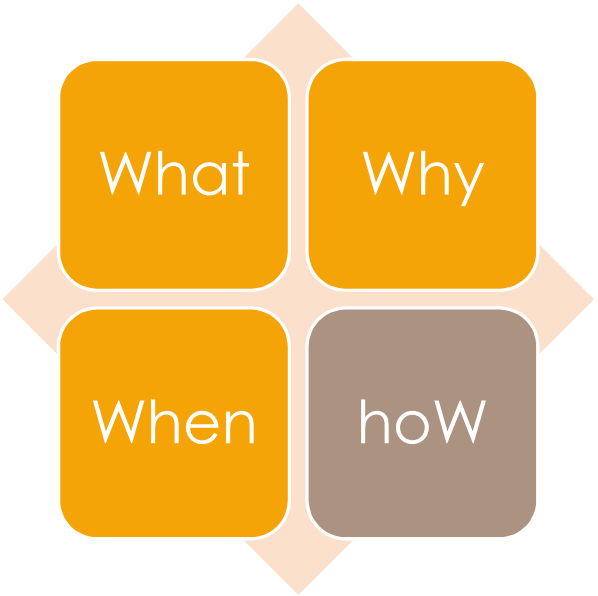
When?

When?

When?

When?

The 4 W's



How?

- Check the business impact
- Formulate Test strategy around Cloud
- Plan infrastructure requirements
- Do thorough research on Integrations
- Select most suitable tool to the team's requirement
- Select a service provider
- Go for a pilot test run

Test Environmental Tools

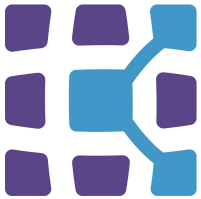
Performance Testing Tools

Web Browser Testing tools

Mobile Native Apps Testing Tools

Xamarin Test Cloud

TestGrid

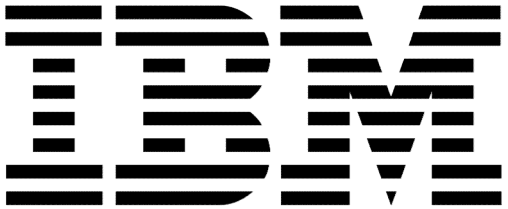


Kobiton

Empowering Mobile Developers

Firebase

Security Testing Tools



Q & A