



HUSTEF

HUNGARIAN SOFTWARE TESTING FORUM

SMOKE TO AVOID FIRE

- ASHOK KUMAR S, TRANSUNION



About Me



Engineering Leader, Quality Assurance
Transunion

Test Strategy, Leadership,
Automation, Customer Advocacy

Blogger, Speaker & Mentor

Smoke Testing ?

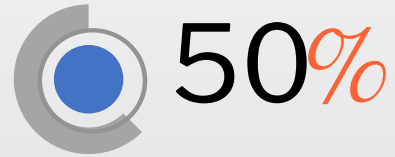


Need for Smoke

Industry Perspective



Test Execution time
wasted - Gartner



Test environment are not
available – Forrester



Environment Defects -
Capgemini



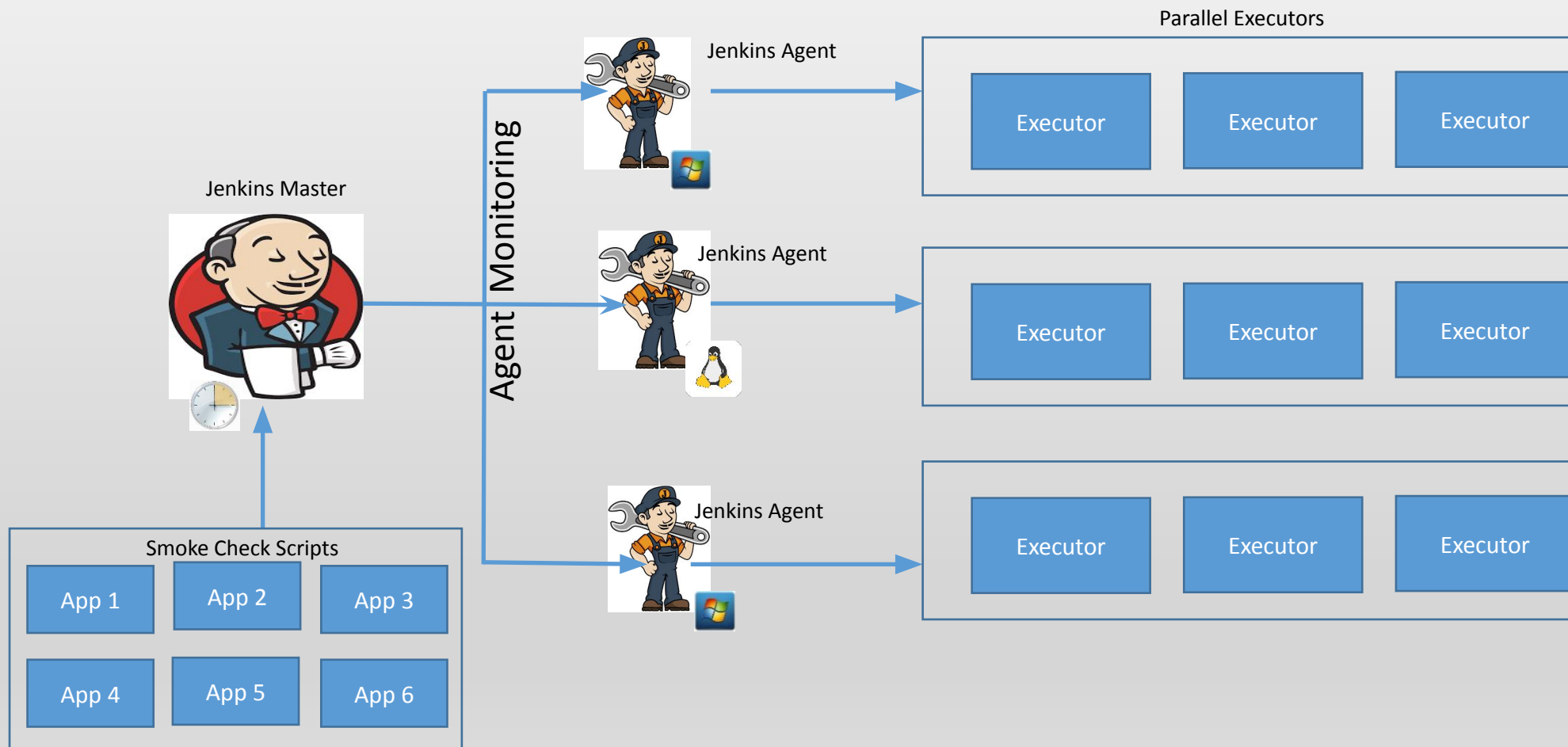
Automation success -
Capgemini

Insider Perspective

- Monitor Environment stability
- Identify issues earlier
- Manage testing capacity efficiently
- Boost developer confidence
- Continuous Feedback Cycle



Smoke Testing Architecture



Common Pitfalls

Bloated Checks



Common Pitfalls

UI Checks



Common Pitfalls

Over Engineer Frameworks



Common Pitfalls

Failing to monitor
infrastructure



Common Pitfalls

Coverage over Speed



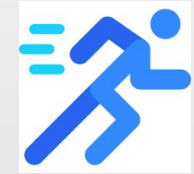
Our Success Metrics



21 Applications



40 Functional
Atomic Checks



9 mins runtime



3 Environments
(SIT/UAT/Prod)



33 defects

What's Next ?

- Optimize for speed
- Centralized reporting dashboard on Graphana
- Insight generation using machine learning models





THANK YOU

"QUALITY IS NOT AN ACT, IT IS A HABIT"



HUSTEF

HUNGARIAN SOFTWARE TESTING FORUM