

# Multinational Automotive Conglomerate



## Application Stack Mining for Better Coverage and Performance

### Challenges:

- Client has a stack of applications for after sales and services for the group that includes all client brands
- Complex application stack with equally complex integrations
- Performance testing on different test environments as per requirement

### Approach:

- Conduct performance testing for 40% of applications from this stack including benchmark, baseline, soak test and break test
- Application stack mining to help client identify additional business critical applications
- Performance test team with domain expertise
- Modularized scripts with additional attributes to allow single script to be used on multiple environments

### Results:

- Better coverage for business-critical after sales and service apps
- Reduced QoS due to reduced script count.
- Planning and executing benchmark and baseline tests per release
- Result traceability - release by release Performance data and metrics available
- Identified performance issues with hardware (Faulty switch, redirection, servers limitation)
- Tuning recommendations for performance improvement through DB indexing



**Performance testing for 24 out of 59 apps across six families:** Car Life Cycle, Warranty Assurance, Workshop, Diagnostics Elektronik, Retail Information

**Tools:** Performance Center, Wily Introscope

**Duration:** Ongoing