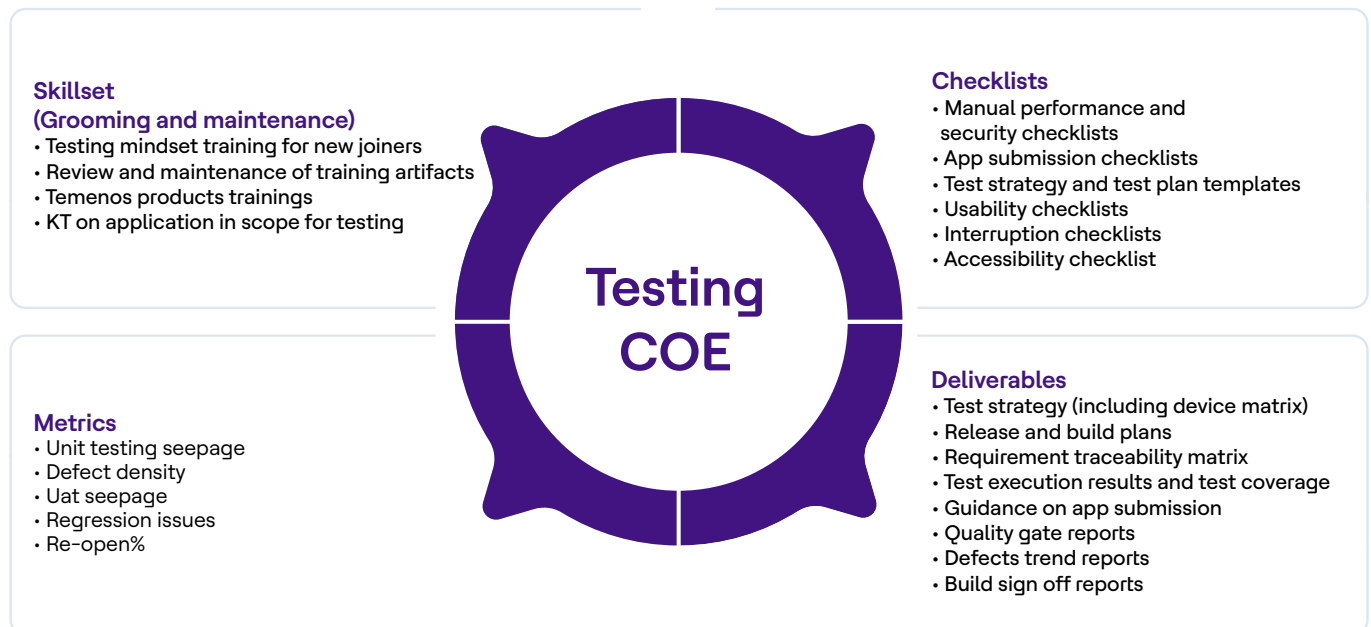# HCLTech | Supercharging Progress™

# Quality Assurance Unleashed through Testing Services

Ensuring seamless functionality and reliability for digital excellence

**Brief description:** TaaS is a systematic process of evaluating digital applications to assess their quality, functionality and performance, identifying defects or bugs early in development. This helps fix issues promptly, ensuring the final product meets the desired standards of reliability, usability and effectiveness.

## Temenos digital Testing-As-A-Service:

**Tailored solutions:** HCLTech offers expertise, knowledge, tools and methods to enable customized testing services for banks using Temenos digital.

### Skillset (Grooming and maintenance)
• Testing mindset training for new joiners
• Review and maintenance of training artifacts
• Temenos products trainings
• KT on application in scope for testing

### Checklists
• Manual performance and security checklists
• App submission checklists
• Test strategy and test plan templates
• Usability checklists
• Interruption checklists
• Accessibility checklist

### Testing COE

### Metrics
• Unit testing seepage
• Defect density
• Uat seepage
• Regression issues
• Re-open%

### Deliverables
• Test strategy (including device matrix)
• Release and build plans
• Requirement traceability matrix
• Test execution results and test coverage
• Guidance on app submission
• Quality gate reports
• Defects trend reports
• Build sign off reports

## Temenos digital Testing-As-A-Service:

**Expertise you can trust:** HCLTech's Temenos Center of Excellence (CoE) TaaS brings years of experience from the Kony era, tackling the diverse challenges banks face in their digital transformation journey.

**Test strategy**
- Extensive experience in creating test strategies for digital mobile applications, with shift left philosophy as the core
- Creation of optimal device matrix for mobile apps based on domain(s), region(s) cutting across different OS versions, models and resolutions

**OS upgrades**
- Compatibility testing of applications on latest iOS and android OS
- Testing of applications on latest xcode and google API versions as per store guidelines

**Functional testing**
- Sprint level testing
- Regression testing
- Compatibility testing of mobile and OLB applications across various devices, form factors, OS versions
- System integration testing
- User acceptance testing and support

**Device farms**
- Expertise in usage of device farms like deviceanywhere, see test cloud, pcloudy, browserstack, AWS device farm and sauce labs

**UI testing**
- Visual QA
- UI checklist creation, updating and execution
- Interruption testing
- Accessibility testing

**Performance Testing**
- Capturing of manual performance stats
- Load testing (JMeter)
- Sharing of performance test reports and highlight the bottlenecks

**Security testing**
- Manual execution of security checklist defined for infinity application
- Penetration testing by central security team

**Automation**
- Functional automation using selenium, appium, test complete, jasmine (in-house framework of ouantum)
- Api automation using postman

**Continuous testing CI/CD**
- Update and run jenkins jobs using app factory for binary generation(s)
- Generation of iOS, android binaries along with publishing of infinity web application using app factory

**App submission post test sign offs**
- Review and maintenance of app submission checklist
- Creation and maintenance of certificates and profiles for ios and android channels
- Expertise on end-to-end app submission process for ios, android
- App submissions support to clients

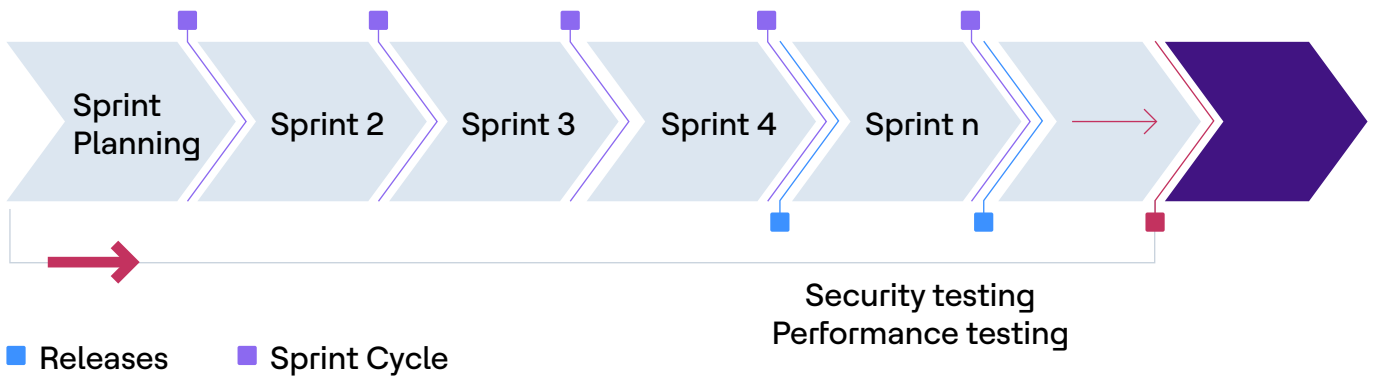**Product expertiae temenos digital + transact/T24**
- Knowledge on infinity and transact products – retail, SME, spotlight, onboarding
- Expertise in testing of infinity and T24 transact applications
- T24 core banking testing
- Test resources who has got good in-depth knowledge and testing of infinity retail, SME, spotlight, onboarding products

**Temenos digital Testing-As-A-Service:**

**Simplified testing process:** HCLTech's approach for testing Temenos digital, whether it is a part of the setup or an ongoing business operation (like checking for updates or improvements), is streamlined from years of executing successful programs with financial institutions across regions.

**Scope:**
Functional testing, certification testing, system level testing, delivery stage testing and defects management

Sprint Planning → Sprint 2 → Sprint 3 → Sprint 4 → Sprint n →

Security testing
Performance testing

■ Releases   ■ Sprint Cycle

**Sprint level Activities:**

- Test strategy and test planning
- Test cases creation, authoring of user stories for the sprint
- Execute sprint/release-wise/incremental test cases
- Sharing of test case execution results
- Sprint test summary report–no of TC's executed/ passed/ failed/ blocked and open defects for the sprint/release
- Manual performance and security checklist execution
- UAT testing/support
- Sprint retrospection

**Functional flows**

- In scope features stated in SOW/ FSD/BRD
- Requirements gathering with Clients/BA's

**Defects management**

- JIRA workflow creation and review
- Defect detection, logging and documentation
- Defects retesting and resolution
- Self review and peer review of defects
- Root cause analysis and Preventive measures

**Are test cycles slowing down your feature adoption?**

**Are tests drawing upon precious expert bandwidth?**

**Are go lives with partial tests introducing risks to production?**

**Contact us to explore TaaS for your Temenos digital solution portfolio and achieve faster, easier and more certain feature adoption.**