



## TESTING CENTER OF EXCELLENCE (TCoE) QUICK GUIDE

At XTIVIA, we partner with clients to achieve excellence through the synergy of people, processes, and technology. The creation of our Testing Center of Excellence (TCoE) evolved through streamlining and enforcing sound testing strategies and best practices executed by a highly skilled team of professionals.

### What is a Testing Center of Excellence (TCoE)?

TCoE is a competency center built by standardizing test processes, implementing best practices, and using innovative tools to ensure cost-effective and high-quality delivery. This **optimizes delivery, helps increase quality, and reduces expense.**

We have a strategic focus for continuous improvement on four key aspects: Process, Knowledge, Quality, and Customer Relationship.

### SERVICE OFFERINGS & EXPERTISE

| SERVICE OFFERING              |                     |                    |                   |                          |
|-------------------------------|---------------------|--------------------|-------------------|--------------------------|
| Performance Testing           | Integration Testing | Security Testing   | System Testing    | Unit Testing             |
| Compatibility & Configuration | Interface Testing   | Acceptance Testing | DWH Testing       | SOA/Web Services Testing |
| Post Production Support       | Functional Testing  | BPT Testing        | Usability Testing | Regression Testing       |
| EXPERTISE                     |                     |                    |                   |                          |

- SOA & Middleware Testing
- BPM Solutions
- Data Warehousing & ETL
- Business Intelligence
- Master Data Management
- Composite Solutions
- Multi-Channel Solutions
- Performance Testing
- API Testing

### TEAM MEMBERS AND CERTIFICATIONS

XTIVIA's valued team members form our TCoE. Our professional team is certified and well-versed in many areas.

- Average years of experience: 8+ years
- Experience in various SDLC models, with extensive experience on Waterfall and Agile
- Well-versed in testing different software solutions
- Certifications: QA resources have certifications in various domains, testing tools, and methodologies
- Experience in various industry domains - Insurance, Retail, Banking, Rental, Telecom, Finance
- Expertise in a wide range of open source and commercial Automation and Test Management tools

## TESTING PHASES

The Testing Lifecycle has various activities to identify and perform for Testing. They are carried out systematically in four different phases to achieve specific goals and deliverables planned for each stage.

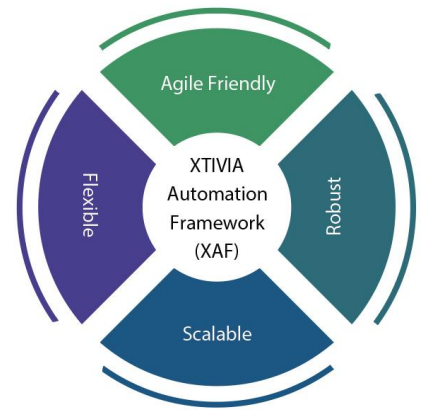


## END-TO-END TESTING APPROACH

XTIVIA's TCoE focus on end-to-end testing helps improve the quality of the software under test. Functional and non-functional end-to-end testing is performed on Graphical User Interface, APIs, Messaging Layer, and Database based on the requirements of the application under test.

## XTIVIA AUTOMATION FRAMEWORK

XTIVIA Automation Framework (XAF) is a customized Automation Framework that aligns with most automation projects irrespective of the tool.



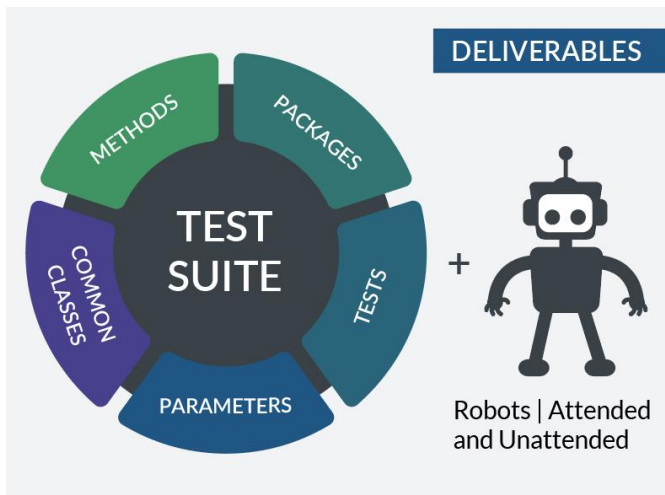
## ROBOTIC PROCESS AUTOMATION CAPABILITIES

Robotic Process Automation (RPA) is an emerging business technology and is a complete solution for application integration, automating third-party applications, administrative IT tasks, and business IT processes. XTIVIA's in-house experts have strong expertise in the Robotic Process Automation – the UiPath tool. The XTIVIA Automation Framework has also been established for the UiPath tool as well.

## TESTING PRACTICE IMPLEMENTATION CAPABILITY

With XTIVIA's vast experience in testing and establishing a formal Testing Center of Excellence, we have gained the experience and knowledge necessary to help our clients optimize their existing testing practice or establish a

brand-new testing practice. Whether to institute processes, implement best practices, or train QA team members on QA standards and tools, we are here to help create a Testing Practice ideal for each client.



### Gameplan

- Understand our client's Test Practice Goals
- Analyze the current state of the Testing Practice (if applicable)
- Analyze the current state of the development practice
- Provide recommendations and implementation roadmap for achieving Test Practice Goals
- Help establish Testing Practice

**ABOUT XTIVIA** Since 1992, XTIVIA has proven expertise in delivering leading-edge enterprise IT solutions and support. A few of our service areas include integrating and innovating in MDM, Data Governance, BI/DW, ERP, Cloud, Mobile Apps. If you can imagine the business outcome, XTIVIA can create it with technology. <https://www.xtivia.com>