Background

Subject Matter Expertise in Retail, Manufacturing, Insurance, Banking, Oil & Gas, Energy & Utilities areas

Solutions focused on Process Optimization, Finance Transformation, Corporate Compliance, Application Assurance

Services focused around Business and Technology Consulting services covering projects and applications

Decades of experience in SAP Implementation, Upgrades and Support covering Manufacturing, Services Insurance, Oil & Gas, Energy & Utilities areas

All round experience in Data Warehousing, Business Intelligence, Mobility and Cloud Services

EnterprizeERP- SAP Testing Services
Testing Needs in SAP World

- New Implementations
- Enhancements
- Testing effort

- Large, Discrete projects
- Small, Contained projects
- Maintenance projects
- Large, Discrete projects

Tons of net new Test and Testcase Generation, Technical Upgrade. Regression in case of 100%
Mostly Testing with Scenario Variations and Regressions. Limited net new Test Cases
Largely regression testing effort, very minimal to no new Test Cases
Tons of net new Test and Testcase Generation, Technical Upgrade. Regression in case of 100%

Source: SAP
## SAP Testing Facts

| Risks                  | • Lack of Testing  
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<th>• 86% Customers Concerned</th>
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| **Cost & Time**       | • Major Cost & Time Factor  
|                       | • 75% of Customer Worried |
| **Changes**           | • Application Changes in a year  
|                       | • 25% of Corporate Applications |
| **Need**              | • Applications Gain Complexity  
|                       | • Needs Additional Testing |
| **Goals**             | • More Reliable & Usability  
|                       | • Leading to Integrity & Correctness |

Source: SAP
SAP Landscape and Quality Management

- SAP Version
- Upgrades
- Change Management
- Transports
- User Licenses

- Solman Integration
- BPCA Integration
- TAO Integration
- QA Skills & Roles
- QA Processes & Practices

- eCATT, TDMS
- Test Management
- Test Automation
- Integration Testing
- Test Data Management

- Quality Strategy
- Test Process Automation
- Traceability Matrix
- Testing Tools
- Automation Consulting
SAP Test Strategy and Approach

- Infrastructure
- Requirements
- SAP Test Strategy
- Review Strategy
- Tools & Objectives
- Resources Planning

Risk Management
SAP Testing Lifecycle

- SAP Test Strategy
- Test Development
- Test Execution
- Defects Management
- Testing Delivery
- Acceptance, Integration, performance Testing
- Automation Strategy Scheduling & Planning
- Test Plans, Scripts and Data
- Test Metrics & Dashboard Reporting
- Bug Tracking, Findings and Verification

EnterprizeERP - SAP Testing Services
SAP Testing Automation Framework

3rd Party Test Automation Tools with Solution Manager

Test Scope Identification
- Test Case Setup
  - SAP Solution Manager Business Blue Print
  - SAP Solution Manager Business Process Change Analyzer

Test Planning
- Business and Test Requirements
  - SAP Solution Manager Test Workbench
  - SAP TDMS

Test Execution
- Manual Test
  - SAP Solution Manager Test Workbench

Test Reporting
- Status and Progress Reports & Dashboards
  - SAP Solution Manager Test Workbench
  - Work Center
  - BW Reporting
  - Integrated Partner Reporting

Test Automation Framework
- eCATT
- Certified Interface
- HP QTP
- HP QC

Test Scope Identification
- Test Case Setup
- Test System Assessment
- Meta Data Collection

Test Planning
- Business and Test Requirements
- Test System Assessment
- Meta Data Collection

Test Execution
- Manual Test
- Meta Data Collection

Test Reporting
- Status and Progress Reports & Dashboards
- Certified Interface
- HP QTP
- HP QC
1. Generate Blueprint from previous SAP Implementation
   - By reading currently used business processes

2. Create Business Processes Documentation

3. Update Blueprint after redesigning the current business processes

4. Creating Test Requirements out of Blueprint
   - Requirements provide information for components to be generated by TAO

5. Requirements provide information for components to be generated by TAO

6. Enable traceability

7. Create test Data for Test Cases

8. Update Project Analysis with Test Results

9. Monitor and Manage implemented business processes

EnterprizeERP - SAP Testing Services
SAP TAO and Test Management Solution

- Solution Manager
  - Project
  - Business Process
    - Test Req.
    - Test Object
  - Incident Management
- Test Management
  - Project
    - Test Req.
    - Test Plan
    - Test Execution
    - Defect Management
  - Test Reporting

One to One match

EnterprizeERP - SAP Testing Services
What is BPCA?

- Changes to the system, for example, Support Packages, customer developments or add-on installations can affect different business processes.
- Basic and advanced analysis functions are available to trace SAP objects used during business process execution, which are leveraged to analyze the effect of software changes applied via transport requests to SAP system landscapes.
- Business Process Change Analyzer compares the objects included in a transport to the objects contained in the TBOMs of the target system.
- Every TBOM is clearly assigned to a certain transaction in a certain scenario, business process or process step, you can determine precisely, which parts of a Business Process Hierarchy are affected by the change.
- You can use the test cases contained in the Business Process Hierarchy to create test plans that are tailored to the relevant changes

Pre-Requisite:

- Business Process in Solman Project
- Technical Bill of Materials created for Business Transactions

Challenges

- Technical Analysis of Transactions and Programs
- Impact analysis not possible
TDMS 3.0

**SAP Solutions Available with SAP TDMS Classic:**
- ERP, BW, CRM, HCM

**Industry Specific Solutions Available with SAP TDMS:**
- Apparel & Footwear (AFS)
- Discrete Industries & Mill Products (DIMP)
- Healthcare
- Retail (Time Based Selection)
- Business Process Library (BPL)

TDMS 4.0

**New Features with TDMS 4.0:**

**SAP Solutions available with SAP TDMS Classic:**
- SCM & SRM

**Industry Specific Solutions available with SAP TDMS:**
- Banking, Oil & Gas, Retail (Store Based Selection), Utilities

- Feature Rich Data Scrambling
- Integration with SAP Solution Manager
- User Friendly Work centers
- BPL Modeler
- Data Transfer Through Files for SAP ERP
- Full Transfer of Client Specific Data

*This document contains intended strategies, developments and/or functionality and is not intended to be binding upon SAP to any particular course of business, product strategy and/or development. Please note that this document is subject to change and may be changed by SAP at any time without notice.*

Source: SAP
**Why Testing and Automation?**

**Why?**
- To fundamentally change the testing paradigm from manual testing to “Testing by Composition” thereby significantly reducing the costs and risks for all system change events like upgrades etc.

**What?**
- Comprehensive End to End Business Process Testing Solution that (1) accelerates testing of your business processes and (2) is fully aligned with ASAP and Solution Manager.

**How?**
- Install the solution and build test cases using (1) Bulk Generated components or (2) Components generated on demand. Once created, these highly reusable components are easily composed to form test cases.

**When?**
- Jump start today through EnterprizeERP’s small Proof of Concept Project leading to an enterprise testing implementation project.

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**Key Benefits**

- Faster Delivery of SAP Implementation, Upgrade and Enhancement Packs Projects
- Lower risk due to better testing coverage and assurance
- Improved testing ROI from cycles & increased capacity to absorb and manage change
- Tighter Integration with QC or Silk Central and Solutions Manager
- Automated Test Management using SAP Solution Manager
- End to End Solution Quality Management for SAP and Enterprise Applications
What we offer?

**Strategy**
- Quality Assurance Strategy
- Automation Consulting
- Test Center of Excellence
- Tools Evaluation

**Process**
- Process Assessment
- Process Optimization
- Process Calibration

**Governance**
- Test Governance Set Up
- Test Metrics Set Up
- Test Management Dashboard

**Execution**

**Core Offerings**
- System Testing
- System Integration Testing
- Interface Testing
- Regression Testing
- User Acceptance Testing
- Performance Testing
- Independent Verification and Validation

**Specialized Offerings**
- SAP Testing Roadmap
- SAP Security Testing
- SAP Documentation using SolMan
- SAP Test Automation Framework
- SAP Testing Evaluation

**Ready Testing Solutions**
- TDMS Proof of Concept
- BPCA Proof of Concept
- eCATT POC
- SAP QC Testing
- SAP SILK Testing
- TAO POC
| Corporate | • A Group of SAP Platinum Consultants. Incorporated in Downers Grove, IL with offices in: Chicago, Dubai, Singapore, Hyderabad and Chennai. 100+ Associates |
| Solutions | • SAP Process Optimization, Finance Transformation, Corporate Compliance, Application Assurance |
| Services | • Application Services - Evaluation, Implementation, Upgrade, Reporting, Consolidation, Integration and Testing |
| Technologies | • SAP, Business Intelligence, BoBJ, BPC, HANA, GRC, EHS, GTS, and Sybase Mobility |
| Industries | • Retail, Discrete & Process Manufacturing, Eng. & Construction, Insurance and Oil & Gas |
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