



Best Practice - Reduction in the time spent on Test Data preparation by reusing the existing test data.



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Domain/ Service/ Technology /Geo: Energy & Resource

Name of the Project/Support Fn: GIA Spectrum Testing Offshore

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Description

Project/Context

- Project is in Support and Maintenance phase which includes test design and testing of CR and Production Incidents.
- Every month new CR /Incidents/ Issues/ Defects are logged. Some of the CRs are either enhancements of the earlier CR or related to particular old CR and others having new requirement.
- The team has to prepare test data according to the requirements of the CRs/Incidents for System Testing.

Purpose

- The purpose behind the re-usability of the existing test data is to reduce the time spent in preparing the new test data manually every time.
- By using the test data created for the old CR to test the functionality of new CRs/Incidents saves the time of preparing test data and team gets more amount of time for Test Execution.
- Test coverage also increases to cover all possible scenarios.

How we did it

Process Adopted

1. New CRs / Incidents are received.
2. Analyze the requirement for the CRs / Incidents and re-use the existing Test Data.
3. Create the new Test Data if required.

Highlights:

- Initially, an average 216 minutes were spent on preparation of test data for one CR/Incident.
- After reusing the old test data, an average 20 minutes are spent on finding the required test data.

Why this is a Best Practice

Before

- Every month new CRs/ Incidents/ Issues/ Defects are logged.
- New Test Data are created for the CRs/ Incidents Test Execution.
- The Test Data Creation requires approximately 216 minutes to create the Test Data for one CR/Incident.

Benefits

- The efforts of the Test Data Creation for CRs/Incidents are reduced up to 90 % by reusing the existing Test Data of old CRs.
- It reduces the rework and covers the whole functionality of CRs.
- Test coverage also increases to cover all possible scenarios.

How this may be adapted elsewhere

Replication

- Other Maintenance and Support projects can use this best practice when the number of Enhancement CRs are more.
- The existing Test Data of old CRs can be re-used for the CRs/Incidents for more Test Execution coverage.
- Time spent in creation of Test Data can be saved and utilized in other project activities.

Contact Info

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Thank You

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