Automated Job Scheduling on oracle ERP Applications

Testing Confluence 2012

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✓ This white paper demonstrates the need of workload automation tools to the current IT infrastructure. It traces the evolution of traditional batch scheduling, illustrates the usage of workload automation in Oracle ERP Applications and then gives a brief overview of the automation tool Appworx.

✓ The paper also explains the various stages of Load test cycle and the usage of workload automation tool over these phases by describing how the scheduling of chains/modules is derived from the system and automated.
Approach
In this paper, we have discussed about why we opt for Automation Tool – AppWorx when we already have Oracle’s inbuilt Concurrent Manager to schedule jobs. AppWorx compliments the Oracle EBS installation by extending Concurrent Manager, thus optimizing application throughput with advanced automation and workload balancing features.
Challenges Faced
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The various challenges faced in using the Appworx Automation Tool in the Distributed environment for the management of the targets are:

1. While upgrading Oracle’s R12 database from 11.2.0.1 to 11.2.0.3 Appworx does not support the upgrade as the appworx version is not compatible with the database version.

2. Upgrading Appworx involves high cost variance and would result in stopping or aborting the scheduled chains.

3. Email id of the scheduled chain and folder structure needed to be changed as this would result in pumping mails to actual business users.
Benefits

Appworx has a number of benefits over traditional way of job scheduling

- Cross-platform support
- On-demand scheduling
- Calendar and cyclical scheduling
- Deadline scheduling
- Workload Analysis
- Dynamic Resource Balancing
- Integration with monitoring event streams
- Multiple calendars and time zones
- Scheduling of enterprise applications
- Single point of control
Way Ahead
Way Ahead

- Immediate action of the business transaction required

- Traditional jobs scheduling activities will be soon shifted to emerging term “Workload Automation”

- Oracle inbuilt Concurrent Manager has many limitations and is only Oracle specific.

- Single point of control rather clumsy environment