

site_verify.pl

ITB Service Integration Plan

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What is 'success' for site_verify.pl for ITB 0.1.0?

- Should run for anybody who tries it without any tests marked 'FAIL' for the core services:
 - gsiftp, gatekeeper tests
 - Globus/VDT/Grid3/OSG info discovery
- Pending issues
 - reliance on jobmanager-fork
 - local scheduler queries for jobmanager-condor can fail

Service Description

- `site_verify.pl` is a validation script for pre-WS grid middleware deployments (CE)
- Resource requirements
 - approx 10 MB RAM, ~300 KB disk, and a few minutes of CPU time per tested host
- Dependencies
 - Remote site should offer jobmanager-fork
 - Globus
 - Perl 5.005 or later plus a few modules
 - most part of 'normal' system perl deployment
 - `Net::LDAP`, `Net::LDAP::Filter` resolved by VDT

Installation and Configuration

- Installation via http client ('wget')
 - http://griddev.uchicago.edu/download/grid3/doc.pkg/WIP/site_verify.pl
- Configuration
 - set up your environment for perl and Globus (just source your VDT setup script)

Test and Validate

- There is a difference between testing/validating the tool itself, and its output
- 'Tests' the tool itself
 - If it starts, it passes
- Tests for the tool's output
 - If you are a site admin, you already know most of these answers
- The tests run by `site_verify.pl` can be seen with `'site_verify.pl --show-tests'`

Support and Documentation

- Documentation currently resides on Savannah
 - http://griddev.uchicago.edu/download/grid3/doc.pkg/WIP/site_verify_pl.html
- Support via email, Bugzilla, or telephone
 - prescott@phys.ufl.edu
 - http://tier2.phys.ufl.edu/bugzilla/enter_bug.cgi?product=site_verify.pl
 - 352-392-2773

Pending Issues and Next Steps

- A non-standard CONDOR_CONFIG location may cause local batch system query tests to fail for condor queues
- A jobmanager-condor is created even if condor is not used as the local scheduler
 - can cause spurious 'condor NOT WORKING'
- reliance on jobmanager-fork
- Integrate tests for new services during the week they go live, update documentation
- XML output file