

Source Code Version Control

Release: 1.5 Date: 5/30/13/

Owner: Deployment and EAI group

Service Description

The Source Code Version Control and Concurrent Versions System maintains revision history as files change over time. It also allows multiple users to work on the same text file simultaneously, merging changes automatically. Files are stored in a repository and grouped by modules. AITS used Subversion (SVN) to manage this service. SVN stores information about and allows reversion to any previous state of any file in the repository.

For further information or to request this service, please contact the AITS Service Desk at:

*servicedesk@uillinois.edu
217-333-3102 (Urbana)
312-996-4806 (Chicago)*

AITS has extended the core functionality of SVN to include the following features:

- A web based interface for browsing the SVN repository
- Script based security to limit access by module
- Script based security to provide read only access
- SVN Web portal which includes the following information:
 - SVN User Manual
 - SVN Issues and Resolutions
 - Account Management
 - Module Management
 - SVN Monitor (tool for reviewing access)
 - Repository Management
 - Downloading and Installing Tortoise (an application used to logon to SVN)

Features of SVN

Besides using SVN for versioning control, AITS has expanded the use of SVN to include the following:

- **ITIL Definitive Software Library (DSL):** SVN is used to track and secure vended software. The DSL includes executables, source code, documentations, and licensing documents.
- **Deployment Tool:** Script based deployment methodology by pushing files to production and non-production servers.

Benefits

- Efficient and traceable prorogation of programs and scripts to servers
- Complete history of all pushed artifacts to all servers

- Seamless synchronization between environments and clustered nodes
- Effective fault tolerance and disaster recovery for all deployable artifacts through SVN

For additional information, please go to <http://web.uillinois.edu/subversion>.

Hours of Availability

This service is available to customers 24 x 7, excluding planned outages, maintenance windows and unavoidable events. Maintenance windows are used only when needed for planned changes that have gone through the AITS Change Control Process. In addition to the standard AITS maintenance windows, site-specific and service-specific changes may be coordinated with customers at non-standard times.

Standard maintenance windows are defined as:

- 6:00 a.m. to 12:00 p.m. each Sunday when application usage is at its lowest
- After 5:00 p.m. every Tuesday and Thursday, unless business needs to make a change during business hours
- The second Wednesday of the month from 5:00 p.m. to 8:00 p.m. for patching Microsoft servers
6:00 a.m. to 6:00 p.m. three Sundays a year for routine Windows and Linux maintenance

Customer Responsibilities

Users must request and receive approval to access modules within the SVN repository. Users must take precautions to access SVN from a secure laptop and network connection. Once the user has obtained files from SVN, they are responsible for keeping the information in the files secure.

For access problems, questions, or comments, contact the AITS Service Desk at 217-333-3102 Urbana or 312-996-4806 Chicago. You can also e-mail the AITS Service Desk at servicedeskait@uillinois.edu

How Do We Charge?

AITS does not currently charge for this service.

***Our Service Catalog is based on material that was developed by The State of North Carolina’s Operational Excellence Program’s Service Catalog and adapted with their permission. ***

DOCUMENT OWNER/APPROVAL

Service Catalog Owner: Amin Kassem

Concurrence: _____
 Service Catalog Owner Date

_____ Date
 Computer Operations Engineering

Approval: _____
 Associate Vice President - AITS Date

REVISION CONTROL

Document title	Source Code Version Control
Author	Amin Kassem
File reference	Source Code Version Control Service Catalog

Date	By	Action	Pages
12-9-09	Rita Bates	Acknowledging North Carolina’s work	2
12-14-09	Rita Bates	Changing name from Concurrent Versions System	1-4
1-4-10	Rita Bates	Remove COE from front cover and revise OLA’s to SLA’s	1-4
1-7-10	Rita Bates	Revise layout	1-4
1-15-10	Amin Kassem	Content changes	1-7

REVIEW/APPROVAL HISTORY

This service catalog shall be subject to a review on an annual basis.

Date	By	Action	Pages
4-23-12	Amin Kassem	No Revisions	
5-30-13	Amin Kassem	Added link http://web.uillinois.edu/subversion	2