Web based Security for GLAST

Easily integrate centralized security into your SLAC web pages and web applications

Outline

- This week
 - The problem
 - GLAST web security requirements
 - Goals
 - The glast-profile project
 - How to use
 - Secure JSP web pages now
 - Parts of JSP pages
 - Entire directories of web pages
- Next week
 - Access Control Lists (ACLs remember VMS?)
 - Restricting data from Oracle queries
 - Filter rows based on column data
 - How it works
 - Secure java things (objects, methods arguments, return values)
 - Java code
- If there is interest
 - Calling and using the security framework from Perl and Python

GLAST Web Security Requirements

- We want a <u>single</u> security framework
 - We currently have <u>three</u> (that I know of)
 - Require
 - Login
 - Logout
 - Lockdown
 - Auditing
 - Permission assignments
- Can't be complicated
 - No programming
 - Declarative security (configuration files)
 - if (role == "ADMINISTRATOR") { ... } NO!
 - Eeasy to use from Dreamweaver
- Must be complete
 - Applicable to
 - Web pages (sections of JSP pages as well as entire directories of pages)
 - Java objects, methods, arguments, return values
 - Oracle queries, etc.

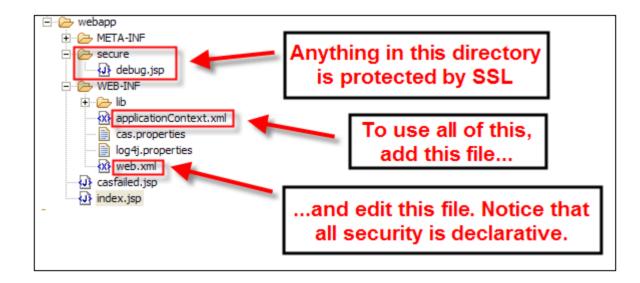
Goals

- Integrate with SLAC accounts
 - But not limited to SLAC accounts (JIRA/Confluence)
- Central repository of GLAST user profile information
 - Username and password at a minimum
 - Other user details
 - email address ("Reply to this email" for verifying accounts)
 - ICQ, AOL, MSN, etc... (Pat's database?)
 - Full name, home institution, address etc. (Karen's database?)
- Web-based
 - Easy to use from JSP pages
 - Developers can register their applications and create roles for them
 - Users can edit (only) their information
 - System uses its own framework to protect itself
- Provide login for JIRA and Confluence
- Integrate with Perl and Python

The glast-profile project

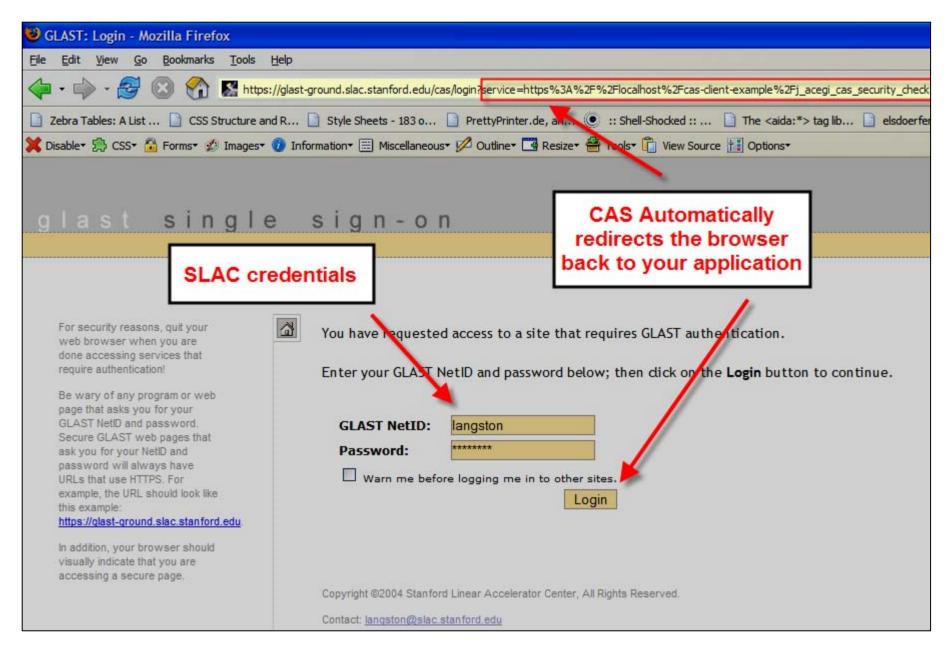
- Java project
 - jar file for other Java projects to use (web-based or not)
 - .war file for web front-end
 - Register applications
 - Define roles
 - Edit user information
- CVS
 - Module name is glast-profile
- Currently backed by MySQL database
 - Oracle just a matter of Configuration
- Maven, Spring, Acegi Security, Hibernate, CAS

How to Use: Directory Layout

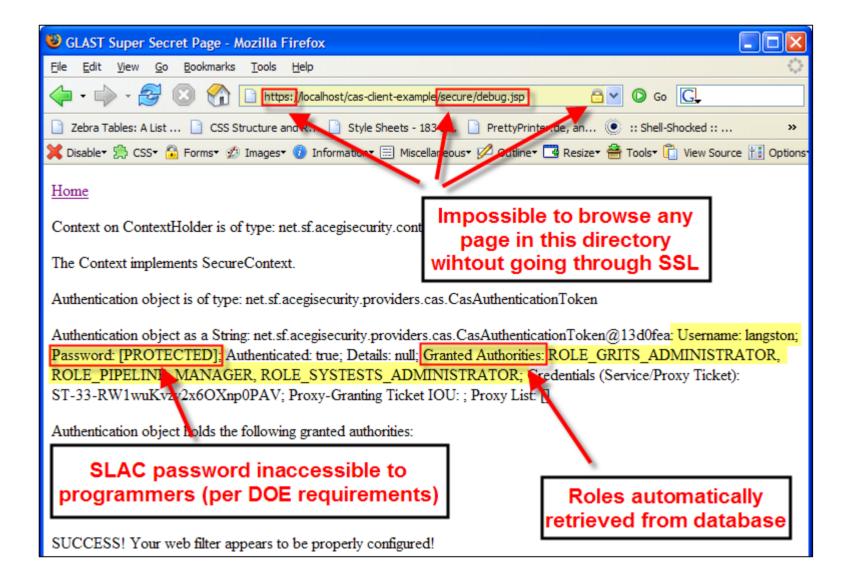


How to use

Shell-Shocked :: The <aida:*> tag lib</aida:*>
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on service and that can only be seen using SSL propriate permissions.
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	💢 Disable* 🌦 CSS* 🔒 Forms* 💋 Images* 🕖 Information* 🚍 Miscellaneous* 💋 Outline* 📑 Resize* 🚔 Tools* 📋 Vie
	<u>logout</u>
	You are logged in with the username "langston"
	You have the following roles:
	1. ROLE_GRITS_ADMINISTRATOR
	2. ROLE_PIPELINE_MANAGER
	3. ROLE_SYSTESTS_ADMINISTRATOR
	These are the allowed roles:
	1. ROLE_GRITS_ADMINISTRATOR
	2. ROLE_PIPELINE_ADMINISTRATOR
	3. ROLE_PIPELINE_MANAGER
	4. ROLE_PIPELINE_USER
	5. ROLE_RM_ADMINISTRATOR
	6. ROLE_SYSTESTS_ADMINISTRATOR
	7. ROLE_SYSTESTS_MANAGER
	 GRITS Administrator's can see this secret message: You are a good person.
	 Pipeline Administrator's can see this secret message: ********
	 Pipeline Managers's can see this secret message: Paris Hilton is a bad girl.
	 Pipeline User's can see this secret message: *******
	Release Manager Administrator's can see this secret message: *******
	 System Test Administrator's can see this secret message: Java is good.
5/27/2005	 System Test Manager's can see this secret message: *******
	Done





5/27/2005

Protecting Directories



Conclusion