

# CERIAS

# reassure

A Contained Environment for Testing the Impact of Potentially Malicious Code

Welcome to the ReAssure Testbed

[Project home page](#)

I have read and agree to abide by the [Policies and Terms of Use](#)

or

Log into a personalized account

**Purpose:** The main goal of this project is to construct a reconfigurable facility for efficient, reproducible, controlled and safely contained experiments in computer science and technology.

Users can create experiment setups using our java client, upload them to our PostgreSQL database, reserve a time to run them with our Ruby generated web pages, and then are given full control of the host operating system for the duration of their experiment.

Experiments	Files	Logs	User
<a href="#">List your experiments</a>	<a href="#">List your files</a>	<a href="#">My logs</a>	<a href="#">Change your password</a>
<a href="#">Create an experiment</a>	<a href="#">Upload files</a>		<a href="#">Update your information</a>
<a href="#">Change password for experimental PCs</a>	<a href="#">Search for files</a>		<a href="#">Delete your account</a>
	<a href="#">Operating Systems</a>		

The experiment manager is running

Select from different options based on your user role

Administrative	Experiments	Files	Logs	User
<a href="#">User Administration</a>	<a href="#">List your experiments</a>	<a href="#">List your files</a>	<a href="#">My logs</a>	<a href="#">Change your password</a>
<a href="#">View blocked IP addresses</a>	<a href="#">Create an experiment</a>	<a href="#">Upload files</a>		<a href="#">Update your information</a>
<a href="#">View authentication failures</a>	<a href="#">Change password for experimental PCs</a>	<a href="#">Search for files</a>		<a href="#">Delete your account</a>
<a href="#">Search logs</a>		<a href="#">Operating Systems</a>		
<a href="#">Experimental switch status</a>				
<a href="#">Experiments statuses</a>				
<a href="#">Switch Cron</a>				
<a href="#">Manage PCs</a>				

The experiment manager is running

View authorization failures and the status of both the PCs and the switch

Authentication failures:

User	Time	IP Address
unknown	2006-01-06 13:55:33	128.10.242.50
unknown	2006-01-06 14:02:10	128.10.242.50
unknown	2006-01-06 14:08:26	128.10.242.50
hitz	2006-01-09 17:46:51	128.10.242.192
hitz	2006-01-09 17:47:54	128.10.242.192
Oedipus	2006-01-10 15:48:08	128.10.242.151
test3	2006-01-11 14:39:15	128.10.243.20
test2	2006-01-11 14:39:26	128.10.243.20
forrest	2006-01-11 14:39:38	128.10.243.20
test2	2006-01-11 14:41:53	128.10.251.51
test	2006-01-11 14:43:00	128.10.243.20

Reassure Topography Upload for experiment: 18  
Either copy/paste the XML in the text area below, or specify an XML file to upload. Note that you will get the error 'input is not a valid name' if any software image field for PCs contains spaces.

OR

[List experiments](#)  
[Top menu](#)

Select software to load onto the test PCs or upload your own custom packages

These Operating Systems have been entered:

ID	OS
2	Fedora Linux
5	MacOS X
22	Mandriva Linux
16	NetBSD
14	OpenBSD
1	RedHat Linux
15	Solaris
6	Suse Linux
12	Windows 2000
11	Windows 95
10	Windows 98
19	Windows ME
13	Windows NT
9	Windows XP

Click on an OS number (link) to edit  
Add an OS:

Status of PCs:

PC	No. NICs	Status
1	0	free
2	0	free
3	1	free
4	1	free
14	3	down

Here's how the PCs are connected to the switch:

PC number	NIC	Connected to switch interface#
3	1	1
4	1	2
12	1	14
12	2	15
13	1	16

Upload your own topographies or preview and choose from a list of shared ones

These are the topographies you have authorization to preview:

Tag	Name	Description	Preview
<a href="#">maptest.xml</a>	maptest.xml	none	
<a href="#">maptest2.xml</a>	maptest2.xml	none	

Click on a topography tag (link) to preview that topography

You have entered these experiments:

Experiment	Name	Description
18	YangTest1	helloworld
24	YangTest2	Nothing special
32	YangTest5	test create

[Create a new one](#)  
Click on an experiment number (link) to work with an experiment

View a list of your experiments

User name	Admin	User	Validated	Unvalidated	No privileges	email address	Delete user
test2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	pmeunier@basm.cerias.purdue.edu	<input type="checkbox"/>
test3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	forrest@cerias.purdue.edu	<input type="checkbox"/>
test4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	forrest@cerias.purdue.edu	<input type="checkbox"/>
test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	forrest@cerias.purdue.edu	<input type="checkbox"/>
Oedipus	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ecates@cerias.purdue.edu	<input type="checkbox"/>
tuser	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	dtanders@cs.purdue.edu	<input type="checkbox"/>
amanda	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	aldenton@cerias.purdue.edu	<input type="checkbox"/>

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Set user privileges

Reserve a time to run your experiments

Results:

User	Log ID	Time	Severity	Script
test2	751	2005-10-26 10:40:05	normal event record	/cgi-bin/devels/pascal/Admin/admin_users_action.rb
test2	752	2005-10-26 10:41:02	normal event record	/cgi-bin/devels/pascal/Admin/admin_users_action.rb
test2	754	2005-10-26 10:43:28	normal event record	/cgi-bin/devels/pascal/Admin/admin_users_action.rb
test2	755	2005-10-26 10:43:38	normal event record	/cgi-bin/devels/pascal/Admin/admin_users_action.rb

Reassure Log Search

Severity:

Experiment:

From:

To:

User:

PC:

Search the logs for a variety of events across user specified time intervals

Current time is: 2006-02-21 13:42:22

Experiments to start:  
no results

Experiments running:

Reservation	Experiment	Scheduled Start time	Started	Scheduled Stop time	Stopped	Status
<a href="#">70</a>	33	2006-02-21 13:40:12	2006-02-21 13:41:03	2999-01-01 01:01:00	1970-01-01 01:01:00	started

Experiments to stop:  
no results

All Reservations:

Reservation	Experiment	Scheduled Start time	Started	Scheduled Stop time	Stopped	Status
<a href="#">70</a>	33	2006-02-21 13:40:12	2006-02-21 13:41:03	2999-01-01 01:01:00	1970-01-01 01:01:00	started

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