
AuthMatrix v0.8.2

AuthMatrix is an extension to Burp Suite that provides a simple way to test authorization in web applications and web services. With AuthMatrix, testers focus on thoroughly defining tables of users, roles, and requests for their specific target application upfront. These tables are structured in a similar format to that of an access control matrix common in various threat modeling methodologies.

Once the tables have been assembled, testers can use the simple click-to-run interface to kick off all combinations of roles and requests. The results can be confirmed with an easy to read, color-coded interface indicating any authorization vulnerabilities detected in the system. Additionally, the extension provides the ability to save and load target configurations for simple regression testing.

Installation

AuthMatrix can be installed through the Burp Suite BApp Store. From within Burp Suite, select the Extender tab, select the BApp Store, select AuthMatrix, and click install.

For Manual installation, download AuthMatrix.py from this repository. Then from within Burp Suite, select the Extender tab, click the Add button, change the Extension type to Python, and select the AuthMatrix python file.

Note

AuthMatrix requires configuring Burp Suite to use Jython. Easy instructions for this are located at the following URL.

https://portswigger.net/burp/help/extender.html#options_pythonenv

Be sure to use Jython version 2.7.0 or greater to ensure compatibility.

Basic Usage

1. Create roles for all privilege levels within the target application. (Common roles may include User, Admin, and Anonymous)
2. Create enough users to fit these various roles and select the checkboxes for all roles that the user belongs to. "Single-User" roles containing just the one user will be configured automatically to assist in cross-user resource testing. If these are not needed, feel free to delete these roles by right-clicking the column in the Request Table.

-
3. Generate session tokens for each user from the Repeater tab and enter them into the relevant column within the Users Table. Cookies can be sent directly to the users via the right click menu available in Repeater. AuthMatrix will intelligently parse the cookie string from the table and substitute/add them to the requests where applicable.
 - NOTE: The Cookies field is optional. If the target uses HTTP headers instead, these can be added by clicking the “New Header” button.
 - For more advanced configurations, including automated refreshing of credentials, see the “Chains for Authenticating Users” example below.
 4. From another area of Burp Suite (i.e. Target tab, Repeater Tab, etc) right click a request and select “Send to AuthMatrix.”
 5. In the Request Table of AuthMatrix, select the checkboxes for all roles that are authorized to make each HTTP request.
 6. Customize a Response Regex based on the expected response behavior of the request to determine if the action has succeeded.
 - Common regexes include HTTP Response headers, success messages within the body, or other variations within the body of the page.
 - NOTE: Requests can be configured to use a Failure Regex instead through the right-click menu (i.e. Authenticated users should never receive an HTTP 303)
 7. Click Run at the bottom to run all requests or right click several requests and select run. Observe that the adjacent table will show color-coded results.
 - Green indicates no vulnerability detected
 - Red indicates the request may contain a vulnerability
 - Blue indicates that the result may be a false positive. (This generally means there is an invalid/expired session token or an incorrect regex)

Sample AuthMatrix Configuration

AuthMatrix Configuration Screenshot

Menu: Burp Intruder Repeater Window Help

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts AuthMatrix

User Name	Cookies	Employees	Managers	HR
Employee1	session_id=qkD0mc7eX+rmeRqZOMLY9EfdcjFpMpUNeYp0cTqNJcQ=	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manager1	session_id=f07gyTK81aFj0kH67NqdIB8q9JSXHKID5kEhrgNB5A=	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HR1	session_id=ynaGm828jW+lqqPBTZHp4kNnXQMAQK0CHNTROEE7D5I=	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TestUser	session_id=MZiHEL+nygUNN3K2db9RW4fnxEric+pPLmuRopMdKZo=	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Anonymous	session_id=	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ID	Request Name	Response Regex	Employees	Managers	HR	Employee1 (only)	Manager1 (only)	HR1 (only)	TestUser (only)	Anonymous (only)
0	GET /HumanResources/admin/users/create	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	GET /HumanResources/admin/users/list	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	GET /HumanResources/admin/users/reports	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	GET /HumanResources/manage/reviews	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	GET /HumanResources/manage/timesheets	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	GET /HumanResources/manage/users	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	GET /HumanResources/paymentInfo	^HTTP/1.1 200 OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	GET /HumanResources/timeOff	^HTTP/1.1 200 OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Original Employee1 Manager1 HR1 TestUser Anonymous

Request Response

Raw Headers Hex

HTTP/1.1 303 See Other
X-XSS-Protection: 0
Server: Pjord-Engineering-v2.4
Location: http://ec2-54-187-112-166.us-west-2.compute.amazonaws.com/HumanResources/admin?error_message=Authorization+error
Content-Type: text/html; charset=utf-8
Content-Length: 0
Date: Tue, 25 Apr 2017 18:26:53 GMT
Connection: close

Type a search term 0 matches

Run Cancel New User New Role New Header New Chain New Chain Source Save Load Clear

False Positives Detected (Invalid Session Tokens)

AuthMatrix Configuration Screenshot (False Positives)

Menu: Burp Intruder Repeater Window Help

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts AuthMatrix

User Name	Cookies	Employees	Managers	HR
Employee1	session_id=INVALID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manager1	session_id=INVALID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HR1	session_id=INVALID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TestUser	session_id=INVALID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Anonymous	session_id=INVALID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ID	Request Name	Response Regex	Employees	Managers	HR	Employee1 (only)	Manager1 (only)	HR1 (only)	TestUser (only)	Anonymous (only)
0	GET /HumanResources/admin/users/create	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	GET /HumanResources/admin/users/list	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	GET /HumanResources/admin/users/reports	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	GET /HumanResources/manage/reviews	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	GET /HumanResources/manage/timesheets	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	GET /HumanResources/manage/users	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	GET /HumanResources/paymentInfo	^HTTP/1.1 200 OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	GET /HumanResources/timeOff	^HTTP/1.1 200 OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Original Employee1 Manager1 HR1 TestUser Anonymous

Request Response

Raw Headers Hex

HTTP/1.1 303 See Other
X-XSS-Protection: 0
Server: Pjord-Engineering-v2.4
Location: http://ec2-54-187-112-166.us-west-2.compute.amazonaws.com/HumanResources/auth/login
Content-Type: text/html; charset=utf-8
Content-Length: 0
Date: Tue, 25 Apr 2017 18:31:17 GMT
Connection: close

Type a search term 0 matches

Run Cancel New User New Role New Header New Chain New Chain Source Save Load Clear

Advanced Usage

Chains

Chains provide a way to copy a static or dynamic value into the body of a request. These values can be pulled from the response of a previously run request (using a regex) or by specifying user-specific static string values.

The most common use cases for Chains are:

1. Populating requests with valid CSRF Tokens
2. Testing newly created IDs/GUIDs for cross-user authorization issues
3. Automating authentication and session refreshing

A Chain entry has the following values:

- **Chain Name:** a descriptive name
- **Source:** a static user string defined in the User Table or the ID of the source request in the Request table
- **Extraction Regex:** a regex used to extract a value from the response of the source request. This field is only used when a Request is specified in the previous field. If used, this must contain one parenthesis grouping that is to be extracted [i.e. (.*)]
- **Destinations:** a list of Request IDs that the source value will be replaced into.
- **Replacement Regex:** a regex used to determine where the source value is to be inserted. This must contain one parenthesis grouping to be replaced [i.e. (.*)]
- **Use Values From:** specify whether to use the source value obtained from one selected user (useful for cross-user resource tests) or to use the values from all users and place them into their corresponding user's destination requests (useful for automation tasks like CSRF token retrieval)

NOTE: Requests are run in order of row, however, if a chain dependency is detected, AuthMatrix will run the requests in the required order.

Chains for CSRF

Burp Intruder Repeater Window Help

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts AuthMatrix

User Name	Cookies	Employees	Managers
Employee1	session_id=qkD0mc7eX+rmeRq2OMLY9EfdcjFpMpUNeYp0cTqNJCQ=	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manager1	session_id=f07gyTKB1aFj0kH67NgdlB8q9JSXHKIID5kEhrGNB5A=	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Anonymous	session_id=	<input type="checkbox"/>	<input type="checkbox"/>

ID	Request Name	Response Regexp	Employees	Managers	Employee1 (only)	Manager1 (only)	Anonymous (only)
1	GET /HumanResources/home	^HTTP/1\.\1 200	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	POST /HumanResources/timesheet/submit	^HTTP/1\.\1 200	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	POST /HumanResources/vacation/request	^HTTP/1\.\1 200	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	POST /HumanResources/manage/vacation/approve	^HTTP/1\.\1 200	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Enabled	Chain Name	Source	Regex - Extract from HTTP Response	Destination(s)	Regex - Replace into HTTP Request	Use Values From:
<input checked="" type="checkbox"/>	CSRF Token	Request 1	name="csrfToken" value="(.*?)"/>	Request(s): 2,4-5	csrfToken=(.*?)&	All Users (Default)

Original

Request Response

Raw Params Headers Hex

```
GET /HumanResources/home HTTP/1.1
Host: ec2-54-187-112-166.us-west-2.compute.amazonaws.com
User-Agent: Mozilla/5.0 (Windows NT 6.3; rv:36.0) Gecko/20100101 Firefox/36.04
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Referer: http://ec2-54-187-112-166.us-west-2.compute.amazonaws.com/HumanResources/admin/users/103?success_message=User+created
Cookie: session_id=N8IHBI+nyGUNN3K2db9RMfExEr1c+pPLmuRopMdKzo=
DNT: 1
Connection: close
Upgrade-Insecure-Requests: 1
```

? < + > Type a search term 0 matches

Run Cancel New User New Role New Header New Chain New Chain Source Save Load Clear

Chains for Cross-User Resource Tests

Burp Intruder Repeater Window Help

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts AuthMatrix

User Name	Cookies	Employees
Employee1	session_id=qkD0mc7eX+rmeRq2OMLY9EfdcjFpMpUNeYp0cTqNJCQ=	<input checked="" type="checkbox"/>
Anonymous	session_id=	<input type="checkbox"/>
Employee2	session_id=XXg2F0wZBwE8CijCGbj/DPhzlp41K8Iq5Wacf99bk4U=	<input checked="" type="checkbox"/>

ID	Request Name	Response Regex	Employees	Employee1 (only)	Anonymous (only)	Employee2 (only)
8	POST /HumanResources/timeOff/create	Location: .* /timeOff/	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	GET /HumanResources/timeOff/1	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	POST /HumanResources/timesheets/new	Location: .* /timesheets/	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	GET /HumanResources/timesheets/511	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Enabled	Chain Name	Source	Regex - Extract from HTTP Res...	Destination(s)	Regex - Replace into HTTP Req...	Use Values From:
<input checked="" type="checkbox"/>	timeOff cross-user	Request 8	/timeOff/(.*)?	Request(s): 9	GET .* /timeOff/(.*)? HTTP/1.1	Employee1
<input checked="" type="checkbox"/>	timesheet cross-user	Request 10	/timesheets/(.*)?\r\n	Request(s): 11	GET .* /timesheets/(.*)? HTTP/1.1	Employee1

Original Employee1 Anonymous Employee2

Request Response

Raw Headers Hex HTML Render

HTTP/1.1 200 OK
X-XSS-Protection: 0
Server: Fjord-Engineering-v2.4
Content-Type: text/html; charset=utf-8
Date: Tue, 25 Apr 2017 19:02:49 GMT
Connection: close
Content-Length: 10351

<!DOCTYPE html>
<html class="no-js" lang="en">
<head>

? < + > Type a search term 0 matches

Run Cancel New User New Role New Header New Chain New Chain Source Save Load Clear

Chains for Authenticating Users

Burp Intruder Repeater Window Help

Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Alerts AuthMatrix

User Name	Cookies	Username	Password	Employees	Managers	HR
employee1		emp1	password	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
manager1		man1	password	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
hr1		hr1	password	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
anonymous				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ID	Request Name	Response Regex	Employees	Managers	HR	employee1 (only)	manager1 (only)	hr1 (only)	anonymous (only)
0	POST /HumanResources/auth/login	Location: ./home	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	GET /HumanResources/admin/users/create	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	GET /HumanResources/admin/users/list	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	GET /HumanResources/admin/users/reports	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	GET /HumanResources/manage/reviews	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	GET /HumanResources/manage/timesheets	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	GET /HumanResources/manage/users	^HTTP/1.1 200 OK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	GET /HumanResources/paymentinfo	^HTTP/1.1 200 OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	GET /HumanResources/timeOff	^HTTP/1.1 200 OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Enabled	Chain Name	Source	Regex - Extract from HTTP Res...	Destination(s)	Regex - Replace into HTTP Request	Use Values From:
<input checked="" type="checkbox"/>	Login-User	Username		Request(s): 0	name="username"\r\n\r\n(.*?)\r\n	All Users (Default)
<input checked="" type="checkbox"/>	Login-Password	Password		Request(s): 0	name="password"\r\n\r\n(.*?)\r\n	All Users (Default)
<input checked="" type="checkbox"/>	Session Tokens	Request 0	Set-Cookie: (.*?);	Request(s): 1-8	Cookie: (.*?)\r\n	All Users (Default)

Original employee1 manager1 hr1 anonymous

Request Response

Raw Params Headers Hex

```
POST /HumanResources/auth/login HTTP/1.1
Host: ec2-54-187-112-166.us-west-2.compute.amazonaws.com
User-Agent: Mozilla/5.0 (Windows NT 6.3; rv:36.0) Gecko/20100101 Firefox/36.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Referer: http://ec2-54-187-112-166.us-west-2.compute.amazonaws.com/HumanResources/auth/login
DNT: 1
Connection: close
Upgrade-Insecure-Requests: 1
Content-Type: multipart/form-data; boundary=-----17286143418842304941468053996
Content-Length: 300
```

Type a search term 0 matches

Run Cancel New User New Role New Header New Chain New Chain Source Save Load Clear

Failure Regex Mode

For certain targets, it may be easier to configure AuthMatrix to detect the response condition of when a request has failed. For example, if a target site returns unique data on successful requests, but always returns an HTTP 303 when an unauthorized action is performed.

In this mode, AuthMatrix will validate this regex for all users not part of a succeeding role.

To do this, right click the request and select “Toggle Regex Mode”. The regex field will be highlighted in purple to indicate that AuthMatrix will run the request in Failure Regex Mode.

NOTE: False positive detection and highlighting may not work in Failure Regex Mode

Sample Configuration with Failure Regex Mode

AuthMatrix

User Name	Cookies	Employees	Managers	HR
Employee1	session_id=gkDOmc7eX+rmeRq2OMLY9EfdcjFpMpUNeYpOcTqNjCQ=	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manager1	session_id=f07gyTKB1aFj0kH67NgdIB8q9JSXHKID5kEhrGN85A=	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HR1	session_id=hxQLVa4aYcYxwV/0H8FMNn9Wxrnl4pg2E4WDLJWB27g=	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TestUser	session_id=77ebgaN5pyWDrirq9JhEGoD+Yej4NV4aZY22yGbNhSU=	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Anonymous	session_id=	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ID	Request Name	Response Regex	Employees	Managers	HR	Employee1 (only)	Manager1 (only)	HR1 (only)	TestUser (only)	Anonymous (only)
0	GET /HumanResources/admin/users/create	^HTTP/1\.\.1\ 303	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	GET /HumanResources/admin/users/list	^HTTP/1\.\.1\ 303	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	GET /HumanResources/admin/users/reports	^HTTP/1\.\.1\ 303	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	GET /HumanResources/manage/reviews	^HTTP/1\.\.1\ 303	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	GET /HumanResources/manage/timesheets	^HTTP/1\.\.1\ 303	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	GET /HumanResources/manage/users	^HTTP/1\.\.1\ 303	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	GET /HumanResources/manage/paymentInfo	^HTTP/1\.\.1\ 303	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	GET /HumanResources/timeOff	^HTTP/1\.\.1\ 303	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Original Employee1 Manager1 HR1 TestUser Anonymous

Request Response

Raw Headers Hex HTML Render

HTTP/1.1 200 OK
X-XSS-Protection: 0
Server: Fjord-Engineering-v2.4
Content-Type: text/html; charset=utf-8
Date: Tue, 25 Apr 2017 18:35:41 GMT
Connection: close
Content-Length: 23681

</DOCTYPE html>
<html class="no-js" lang="en">

Type a search term 0 matches

Run Cancel New User New Role New Header New Chain New Chain Source Save Load Clear

JSON State File

Refer to the JsonState document for details regarding the structure of state files