Report on the results and associated recommendations arising from a security test against the Customer Interface/Dashboard Application

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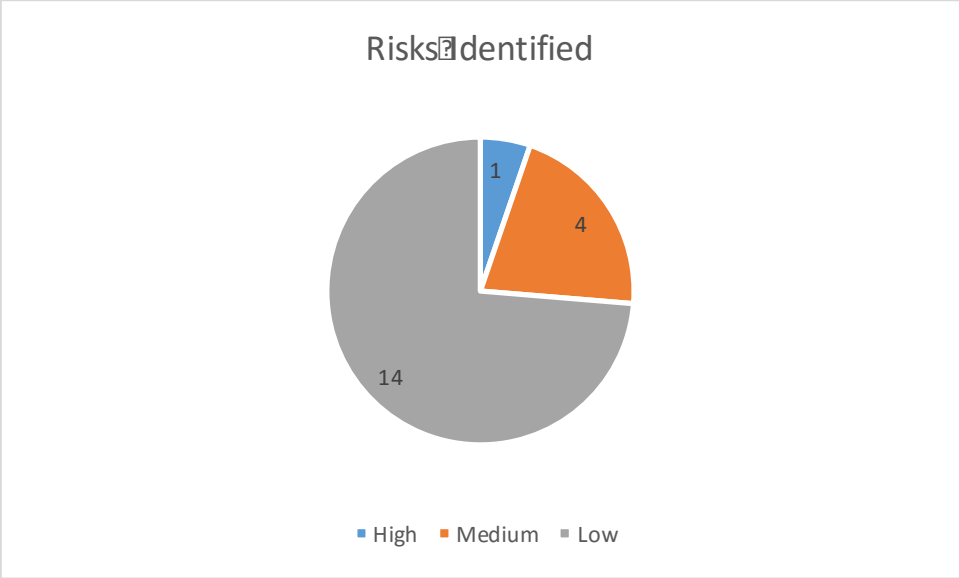
Risks Identified
1
4
14
High
Medium
Low

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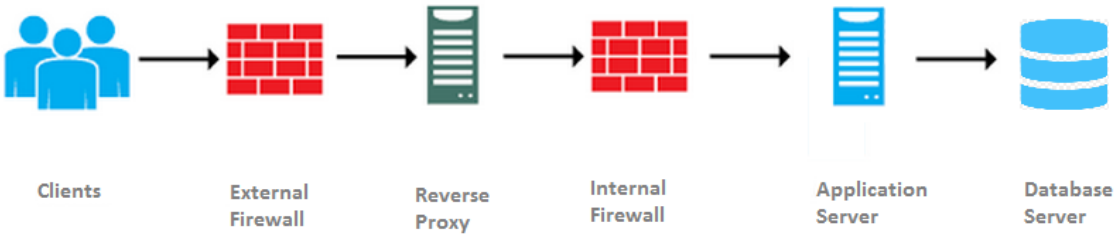
Clients
External Firewall
Reverse Proxy
Internal Firewall
Application Server
Database Server

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1. AUTHENTICATION

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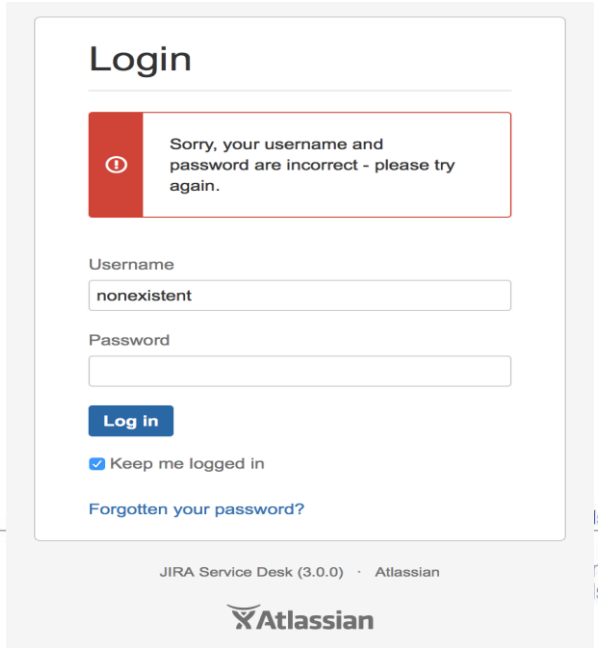

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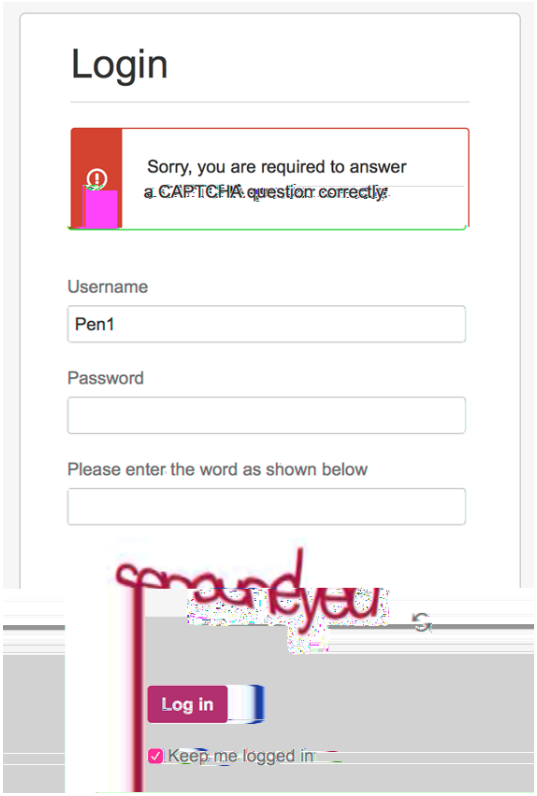
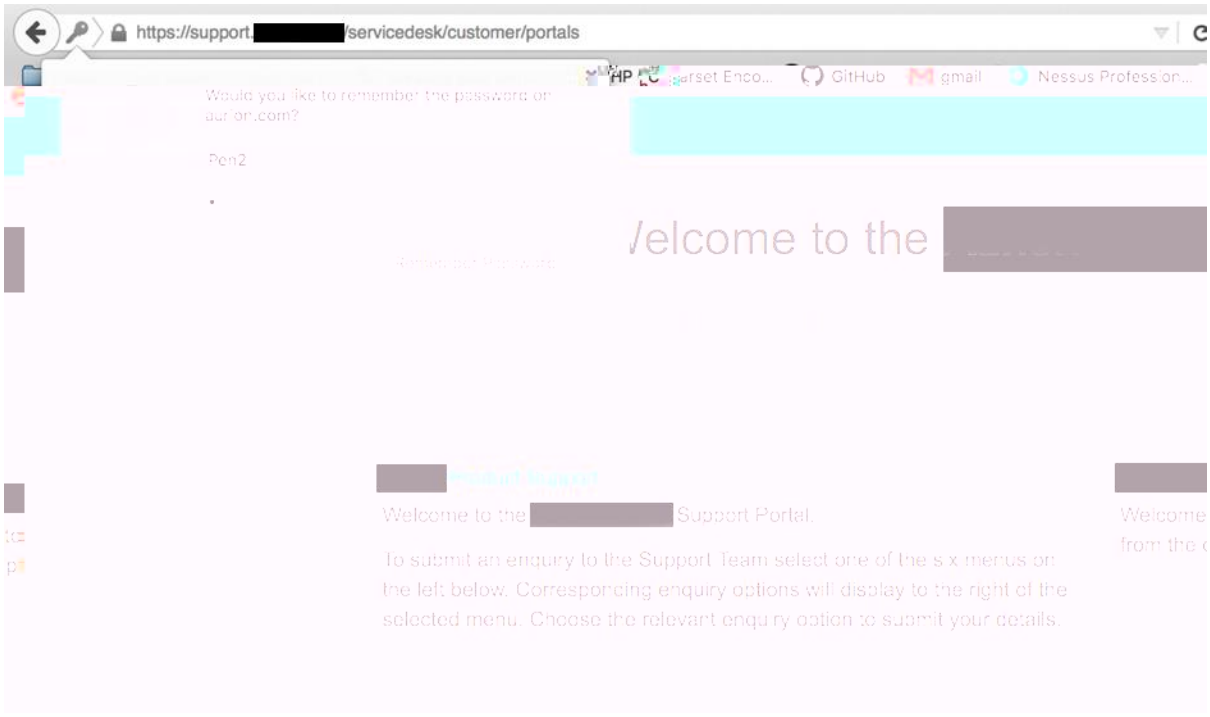

Login
Sorry, you are required to answer a CAPTCHA question correctly.
Username
Pen1
Password
Please enter the word as shown below
Log in
Keep me logged in


https://support.[redacted]/servicedesk/customer/portals
GitHub
gmail
Nessus Professio...
Would you like to remember the password for
Pen2
/elcome to the
Welcome to the [redacted] Support Portal.
To submit an enquiry to the Support Team select one of the six menus on
the left below. Corresponding enquiry options will display to the right of the
selected menu. Choose the relevant enquiry option to submit your details.

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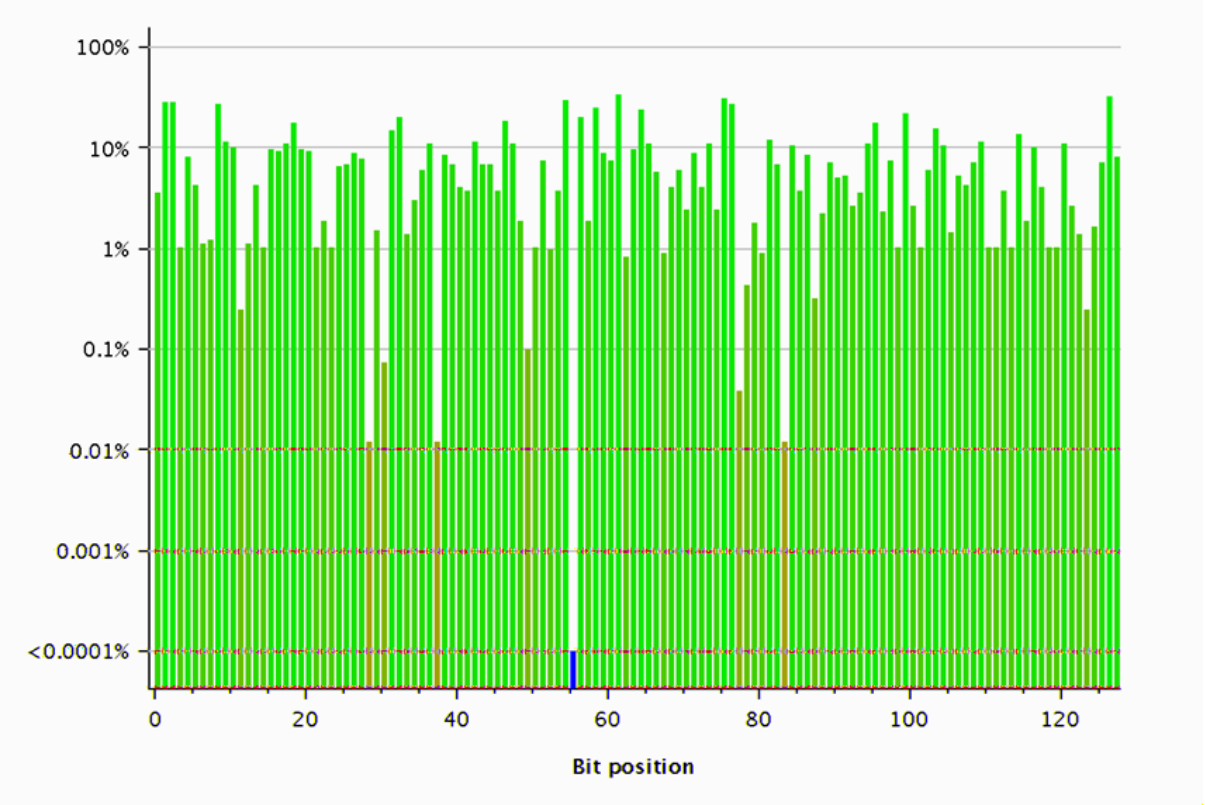

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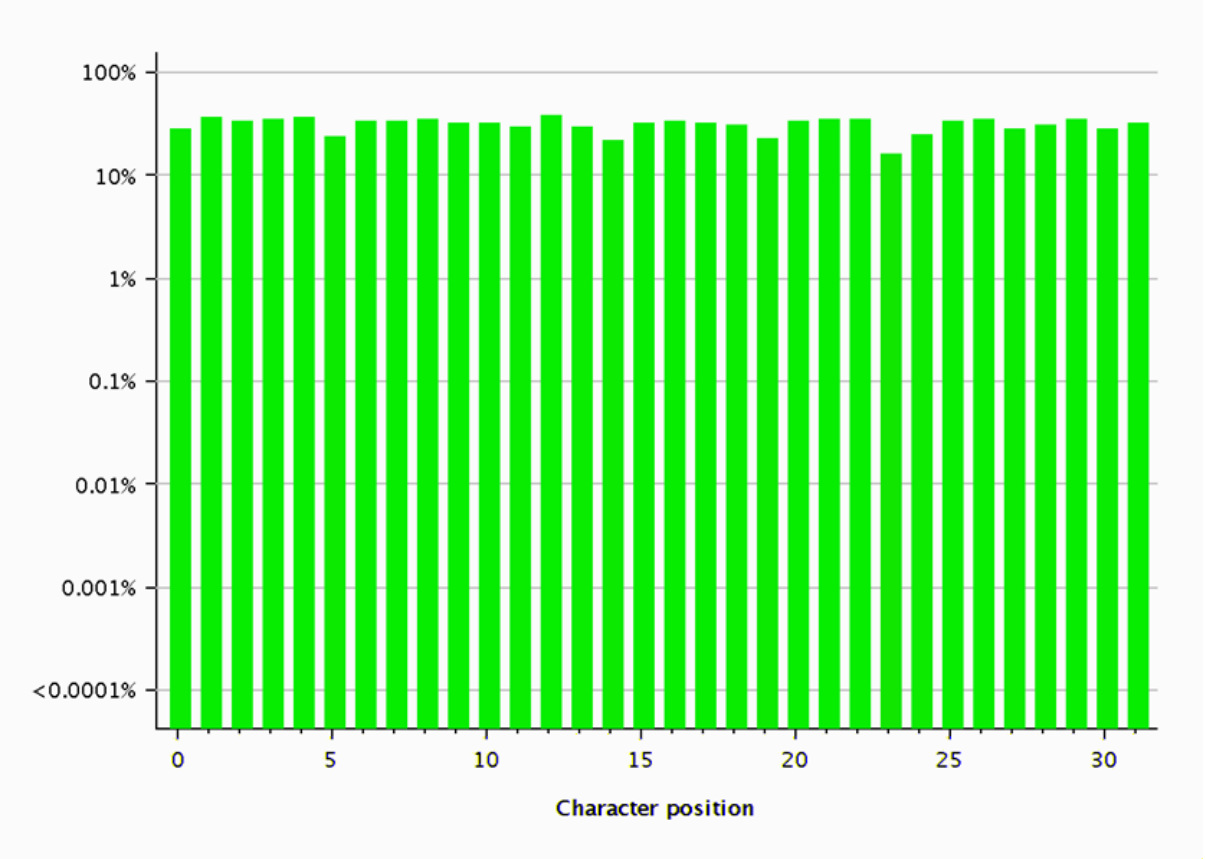

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3. INTER-SYSTEM COMMUNICATION

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4. AUTHORISATION

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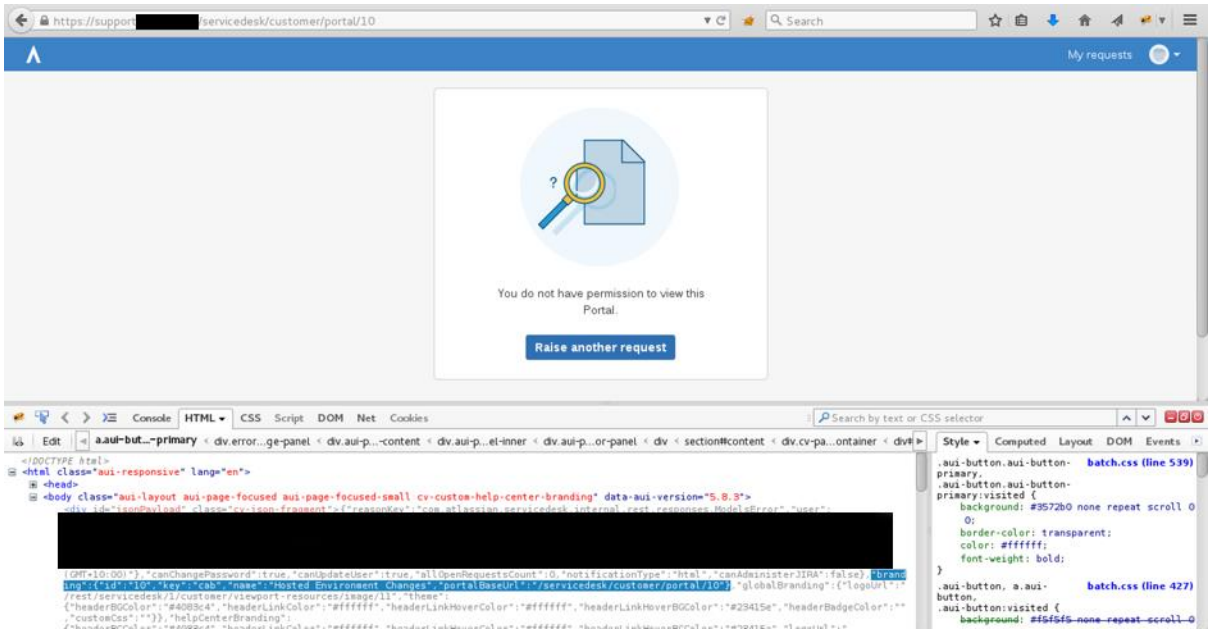

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5. CROSS-SITE REQUEST FORGERY

Activity

Customer2 Today 9:39 PM LATEST

eicar docx

eicar.docx *(0.1 kB)*

Customer2 Today 9:21 PM

aaaa

[redacted] *(0.1 kB)*

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Sorry, we had some technical problems during your last operation.

Request assistance

Copy the content below and send it to your JIRA Administrator

Technical details

Log's referral number: **092b7682-21d0-4634-a6cb-2dca01454edd**

Cause

Referer URL: [redacted]

```
java.lang.IllegalArgumentException: Illegal character in query at index 82: [redacted]

    java.lang.IllegalArgumentException: Illegal character in query at index 82: [redacted]
            at java.net.URI.create(URI.java:852) [?:1.8.0_51]
            at com.atlassian.upm.core.servlet.UpmServletHandler.getUri(UpmServletHandler.java:183) [?:?]
            at com.atlassian.upm.core.servlet.UpmServletHandler.redirectToLogin(UpmServletHandler.java:130) [?:?]
```


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7. APPLICATION CONFIGURATION

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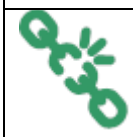
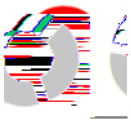
8. Definition of risk categories



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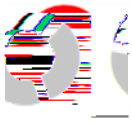
9. Observations and recommendations



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The OWASP Application Security Verification Standard (ASVS) Project provides a basis for testing web application technical security controls.

The primary aim of the OWASP Application Security Verification Standard (ASVS) Project is to normalize the range in the coverage and level of rigor available in the market when it comes to performing Web application security verification using a commercially-workable open standard. The standard provides a basis for testing application technical security controls, as well as any technical security controls in the environment, that are relied on to protect against vulnerabilities such as Cross-Site Scripting (XSS) and SQL injection. This standard can be used to establish a level of confidence in the security of Web applications[2]

FAIL	Critical level		High level	BREACH attack
FAIL	High level		Medium level	Application error message
FAIL	Medium level		Medium level	No anti-virus on file uploads
FAIL	Low level		Medium level	TLS1/SSLv3 renegotiation vulnerability
PASS			Medium level	Web application potentially vulnerable to clickjacking
			Low level	Cacheable HTTPS response
			Low level	HTTP server type and version disclosure
			Low level	Missing XSS protection HTTP header for IE
			Low level	No Content-Disposition header in API responses
			Low level	No forward secrecy ciphers
			Low level	No session timeout
			Low level	Options method enabled
			Low level	OSCP stapling not enabled
			Low level	Password field with autocomplete set
			Low level	Portal name information disclosure
			Low level	Simultaneous logins allowed
			Low level	Strict transport security (HSTS) not enforced
			Low level	User enumeration
			Low level	Weak password policy

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				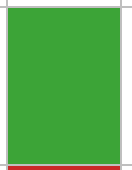	
				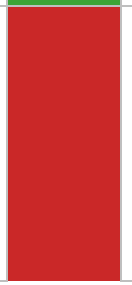	

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				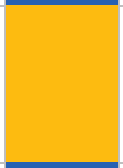	
				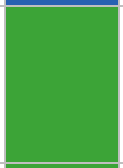	
				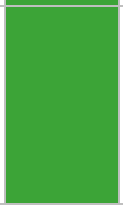	

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