



Urgent Report - I

EST. 2019 - 2022

eSewa Pvt. Ltd.

Summary

The report includes the technical details of our findings during the duration of the Vulnerability Assessment and Penetration Testing. The scope list below is as per the findings presented further in the documentation. The scope mentioned may be vulnerable to vulnerabilities that have not been included in the report and will be assessed further during the project. Any new vulnerabilities will be provided in future update reports and final reports.

Vulnerability List

ID	Vulnerability	Severity	Identified Date	Status
Cl	Database Credentials exposed	Critical (9.9)	20 June	Not
	in Helpdesk		2022	Resolved
C2	Monitoring dashboard to DB	Critical (9.8)	20 June	Not
	Creds exposure		2022	Resolved
Н1	Server-Side Request Forgery on	High (8.2)	21 June	Not
	Zimbra Mail Client		2022	Resolved

Database Credentials exposed in Helpdesk

9.9 (Critical)

Description

When performing directory search in the helpdesk of eSewa, we identified that the backup with the name html.tar.gz. Downloading and reading the config file within the backup, we identified database credentials and admin email for the help desk.

Impact

 Attacker having access to the database can access the database using the identified credentials.

Recommendation

- · Consider removing the backup file.
- The compressed file should not be under the directory which is hosted.
- Consider updating the database credentials

Affected System and endpoint

- http://helpdesk.esewa.com.np/
- 10.111.253.100

Status

• Not Remediated

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:C/C:H/I:L/A:L

Steps for Reproduction

- Find the backup file in https://helpdesk.esewa.com.np/html.tar.gz
- Extract the file and open the file in code editor
- The username and password for the database is exposed in ostconfig.php inside includes directory.

2022

Evidence



Figure 1: Downloading the backup file



Figure 2: Reading config to identify sensitive information

References

 https://owasp.org/www-project-web-security-testingguide/latest/4-Web_Application_Security_Testing/02-Configuration_and_Deployment_Management_Testing/04-Review_Old_Backup_and_Unreferenced_Files_for_Sensitive_Information

Monitoring dashboard to DB Creds exposure

9.8 (Critical)

2022

Description

The internal monitoring tool for monitoring the server status and latest logs was exposed in the internet exposing the sensitive information like database credentials, user sessions, etc.

Impact

• The exposed files may help an attacker to identify additional information about the application.

Recommendation

 Consider implementing authentication when viewing the monitoring dashboards.

Affected System and endpoint

- https://ir-sim.esewa.com.np/monitoring
- https://ir-reports.esewa.com.np/monitoring

Status

Not Remediated

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

Steps for Reproduction

- Visit the URLs at the URLs provided in Affected endpoint
- Identify sensitive information exposed within the dashboard

Evidence

O-b-4b-40	New Assessment of the Assessme		1 hits/min on 353 errors	
Date 10	0 last errors are displayed Request	User	Error	
6/18/22 9:22:31 AM	/api/reporting/mt/managed_ft/reports/status?from_date=2022-06-18&to_date=2022-06-18&data_type=count GET	-1162-Ga3FXrgbik4Upen96NA0 SR9B73yZw1kb0ng	WARNING: Not loading a JDBC driver as driverClassName property is null.	
6/18/22 9:22:31 AM	/api/reporting/ml/managed_ft/reports/status?from_date=2022-06-18&to_date=2022-06-18&data_type=count GET	-1162-Ga3FXrgbik4Upen96NA0 SR9B73yZw1kb0ng	WARNING: Not loading a JDBC driver as driverClassName property is null.	
6/18/22 9:45:36 AM	/apl/admin/user/bxn/09ABSFQ/pdf?transaction_version=V3&account_id=4oVL%252Fw0U6qf5f2HPbU1Qag%253D%253D&module_id=1 GET	-1164-tQ22ZyT59JDafJpPOyY2E Q3YmBTEFR7rmQA	WARN c.i.layout.renderer.TableRenderer - Last row is not completed. Table bottom border may collap se as you do not expect it	
6/18/22 9:45:36 AM	/api/admin/user/bxn/09ABSFQ/pdf?transaction_version=V3&account_id=4oVL%252Fw0U6qf5f2HPbU1Qag%253D%253D&module_id=1 GET	-1164-tQ22ZyT59JDafJpPOyY2E Q3YmBTEFR7rmQA	ERROR c.i.h.c.a.util.PaddingApplierUtil - Padding value in percents not supported	
6/18/22 9:45:36 AM	/api/admin/user/bxn/09ABSFQ/pdf?transaction_version=V3&account_id=4oVL%252Fw0U6qf5f2HPbU1Qag%253D%253D&module_id=1 GET	-1164-tQ22ZyT59JDafJpPOyY2E Q3YmBTEFR7mQA	WARN c.i.layout.renderer.TableRenderer - Last row is not completed. Table bottom border may collap se as you do not expect it	
6/18/22 9:46:07 AM	/api/admin/useribxn/09ABSFQ/pdf?transaction_version=V3&account_id=4oVL%252Fw0U6qf5f2HPbU1Qag%253D%253D&module_id=1 GET	-1164-tQ22ZyT59JDafJpPOyY2E Q3YmBTEFR7rmQA	WARN c.i.layout.renderer.TableRenderer - Last row is not completed. Table bottom border may collap se as you do not expect it	
6/18/22 9:46:07 AM	/api/admin/user/bxn/09ABSFQ/pdf?transaction_version=V3&account_id=4oVL%252Fw0U6qf5f2HPbU1Qag%253D%253D&module_id=1 GET	-1164-tQ22ZyT59JDafJpPOyY2E Q3YmBTEFR7rmQA	ERROR c.i.h.c.a.util.PaddingApplierUtil - Padding value in percents not supported	
6/18/22 9:46:07 AM	/api/admin/user/bxn/09ABSFQ/pdf?transaction_version=V3&account_id=4oVL%252Fw0U6qf5f2HPbU1Qag%253D%253D&module_id=1 GET	-1164-tQ22ZyT59JDafJpPOyY2E Q3YmBTEFR7rmQA	WARN c.i.layout.renderer.TableRenderer - Last row is not completed. Table bottom border may collap se as you do not expect it	
6/18/22 10:19:56 AM			ERROR c.e.core.config.RestErrorHandlerImpl - Response error: 400 BAD_REQUEST , Bad Request	
6/18/22 10:19:56 AM			ERROR c.e.s.i.UserAuthenticationServiceImpl - Authentication failed for -1174-mNJY4XXoOxmndhTT DJeNakSNbBqohVm3e5j, error: null	
6/18/22 10:19:56 AM			ERROR com.esewa.security.XAuthTokenFilter - Security auth filter null	
			WARNING: Slow Query Report SQL-SELECT for Is AS "transactionCode", let created_date as "transactionCode", let created_date as "transactionCode and transactionModifiedDate", let j.asyer_Esewald", let all confider_date As "transactionAmours", let all code and transactionAmours", let all code and transactionAmours", let all code and transactionAmours (WHEN THEN COMMETE "WHEN THEN COMMETE") WHEN THEN THEN TRAITLAL REFUND' WHEN STHEN THEN TRAITLAL REFUND' LELSE "AMBIGUOUS END AS 'transactionStatus", print description AS 'transaction status', print description AS 'transaction', print description AS 'trans	

Figure 3: Top 100 error logs exposed



Figure 4: Exposed endpoints



Figure 5: Exposed DB credentials



Figure 6: DB name exposed

References

• https://owasp.org/www-project-top-ten/2017/A3_2017-Sensitive_Data_Exposure

Server-Side Request Forgery on Zimbra Mail Client

8.2 (High)

2022

Description

A vulnerability in Zimbra Collaboration Suite allows the remote and unauthenticated attackers to cause the product to include content returned by third-party servers and use it as its own code.

Impact

 Attacker can perform arbitrary request to external hosts on the behalf of server

Recommendation

• Update the Zimbra mail client to latest version.

Affected System and endpoint

https://mail.esewa.com.np

Status

Not Remediated

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:L

Steps for Reproduction

Visit the URL by replacing <<bur>
 https://mail.esewa.com.np/service/error/sfdc_preauth.jsp?session=
 s&userid=1&server=https://<<<bur>
 link>>%23.salesforce.com/

Evidence

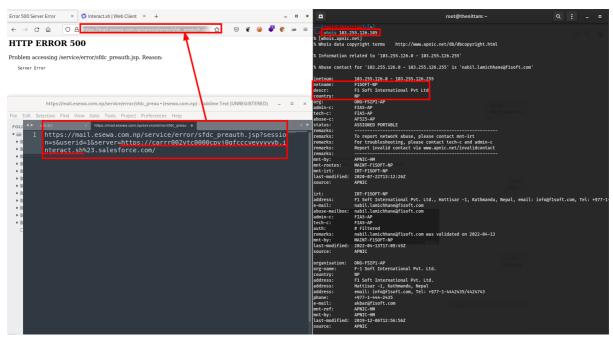


Figure 7: Setting up the SSRF payload on the affected endpoint.

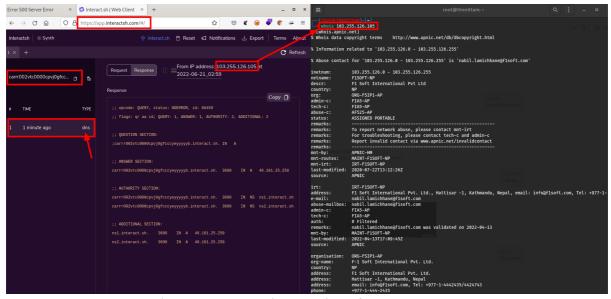


Figure 8: Connection received from the server.

References

• https://www.adminxe.com/2183.html

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