



EPS 8.2.1 | SP Release helps document.

What is the EPS 8.2.1 Service pack release?

 This release includes the Bitlocker Encryption feature which will be applicable for EPS 8.2 and delivered to the customer as a bundle via Infra Service Pack [applicable to EPSNG Server]

What does this SP [1.0] Contains?

 This SP contains the following items:

Policy Encryption:

1. eps.war
2. cs-pushdata.war
3. cs-pushaction.war
4. cs-consumer.jar
5. localization json file
6. epscloudapi.property file.
 - a. **qh.epscloud.requestConnectionTimeout=180000**(New Added)
 - b. Mongo url Quartz password encryption.Property Name: **qh.platform.quartz.scheduler.jobStoreMongoUri** (Existing password updated)

Help content: Policy Encryption

Health Monitor: Yes (code for restarting consumer in case of policy pending issue)

Location: /opt/Seqrite_EndPoint_Security/health_monitoring/health_monitoring_distributed_file/[communication.sh](#)

Database Mongo: NA

Only SP specific collection changes

Client Build: NA

Kafka: NA

Backward Compatibility: NA

Redis: Yes, Code change for resolving critical vulnerability.


Wildfly: NA

Nginx: NA

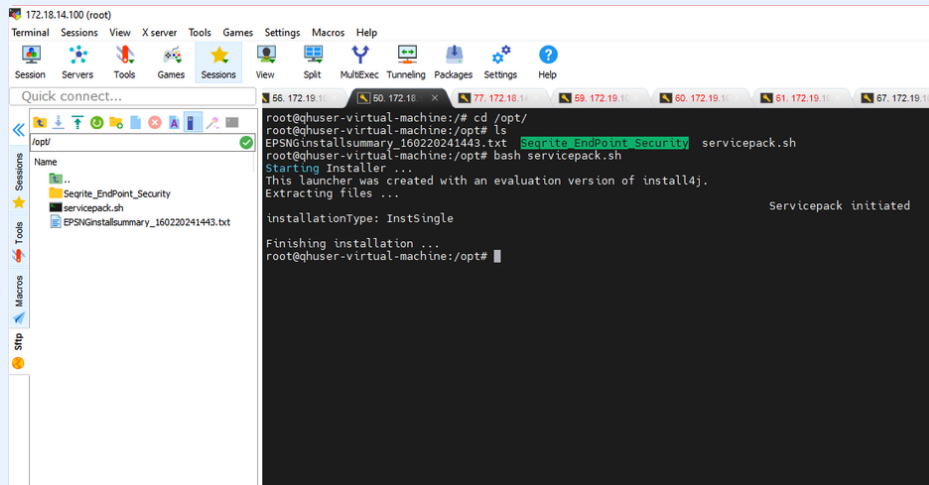
Any Prerequisite before applying SP

Yes, We need to apply a patch [servicepack.sh] script before apply SP [1.0]. the purpose of applying this patch is to enable Infra SP.

Now, how to apply this Patch?

-  1. Please access following path to get the following patch.
SP 0.1 :- <http://download.quickheal.com/builds/seqrite/82/en/build/ctrlservicepack/sp01/servicepack.sh>
2. Now take access / login to Server machine as root user from Vsphere/ mobaxterm/ physical machine.
 3. Now put this **servicepack.sh** script into server machine /opt/ directory.
 4. Open terminal or console and go to /opt/ directory from console and type **bash servicepack.sh** command and hit enter.

Please refer the following Snap shot



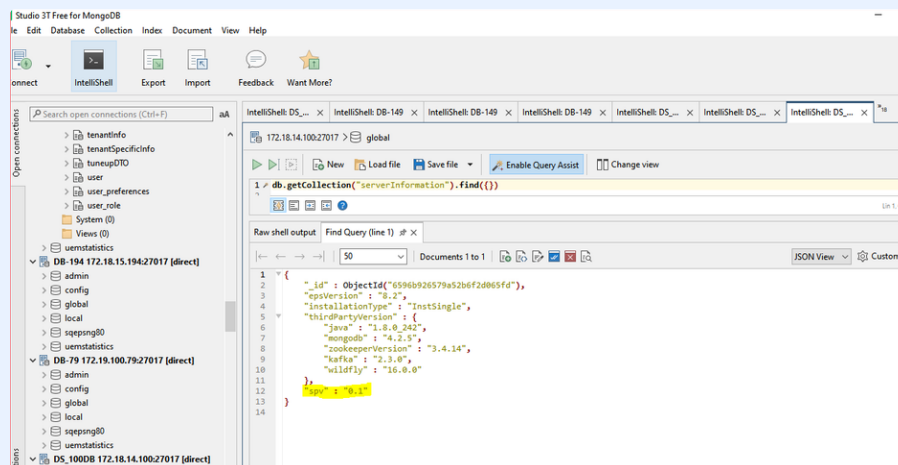
5. Once you hit enter the script will execute. it will take around 3-4 minutes to complete the execution.
6. You can check the execution status of patch script by checking logs which is present in following location.
`/opt/Seqrite_EndPoint_Security/log/SP_Logs.txt`

Note:- In case of any failure the script will be rollback itself [No human intervention is required]. Same can be checked in Rollback logs.

`/opt/Seqrite_EndPoint_Security/log/SP_Rollback.txt`

7. Now you can check the patch is applied on logs & also can verify by accessing DB.
 - a. Before accessing the mongo db by robo-3t or studio-3t please hit following command to disable the authorization.
sed -i -e 's,authorization: enabled,authorization: disabled,g' /etc/mongod.conf
systemctl restart mongod
 - b. Now access the mongo db by using host IP [for eg:- 172.18.14.100
 - c. Now go to global collection > server information and check **spv =0.1**. We can assure that patch has successfully applied.]

Please refer the Snap shot attached:

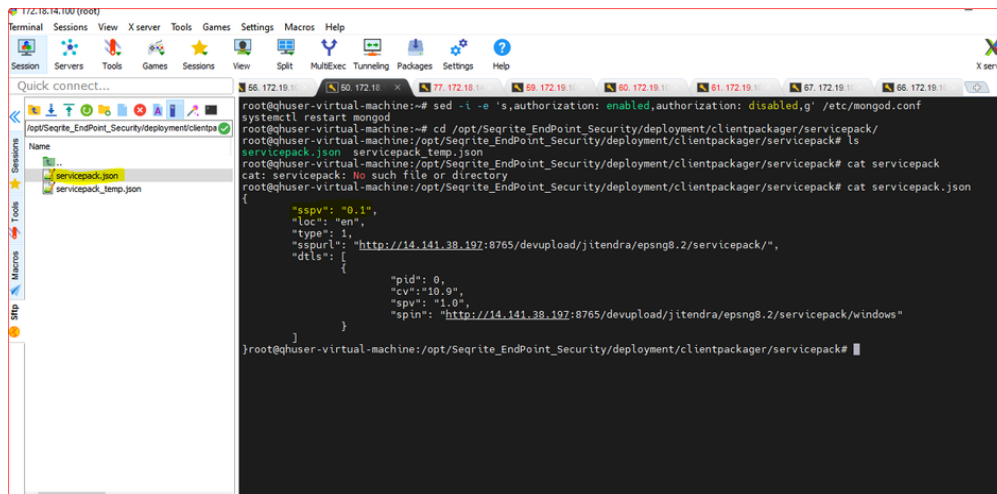


Application of Infra Service Pack [1.0]:-

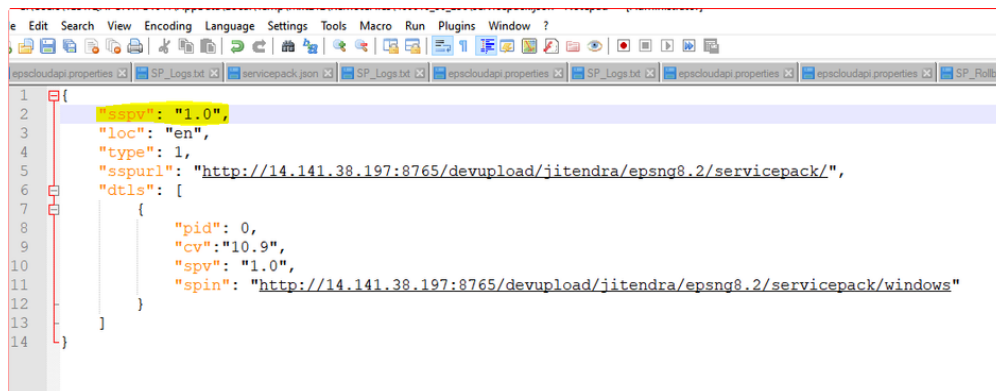
- a. Support for Offline Machine Apply manual process
- b. Support for Online Machine Apply automatically process

Apply SP Manually: -

13. Please access following path to get the following service pack
SP 1.0 :- <http://download.quickheal.com/builds/seqrite/82/en/build/ctrlservicepack/sp10/servicepack.sh>
14. Now take access/login to Server machine as root from Vsphere/ mobaxterm/ physical machine.
15. Now put this **servicepack.sh** SP script into server machine.
16. Copy servicepack.sh file to `/opt/Seqrite_EndPoint_Security/deployment/clientpackager/servicepack/server/` folder [If **server** folder not there please create the folder and put servicepack.sh]
17. Please provide Permission to servicepack.sh file is 644 [**chmod 644 servicepack.sh**]
18. Now edit servicepack.json file to `/opt/Seqrite_EndPoint_Security/deployment/clientpackager/servicepack/` folder and provide (Permission is 644)
 - a. Edit servicepack.json
 - b. change "**ssp**": "0.1" to "**ssp**": "1.0"

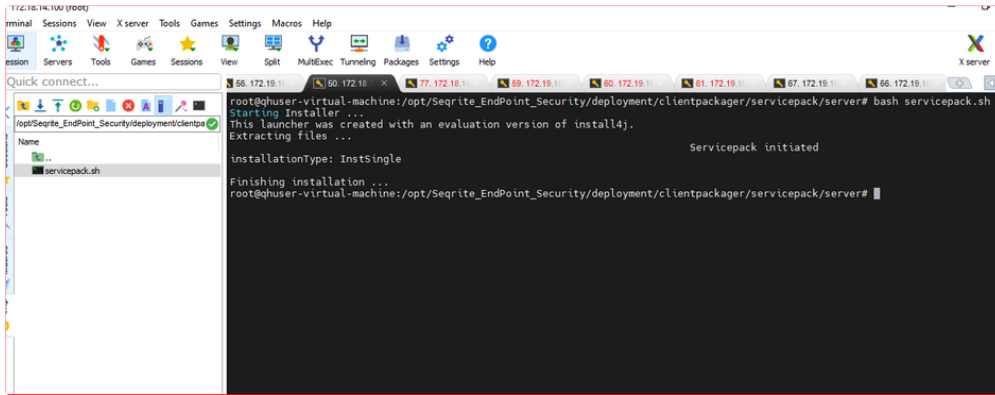


19. After making change in servicepack.json & save the json file.
it looks like



20. Now execute **bash servicepack.sh** from terminal/ console. [Execute script from below path]
`/opt/Seqrite_EndPoint_Security/deployment/clientpackager/servicepack/server/`

21. Once user execute the command then human interaction not recommended. Please find the successful execution snap attached below



22. User/Customer should wait for the display Finishing installation or rollback message on console of machine.

23. If Rollback message display means SP is not applied due to some errors. SP will start the contingency maintain the server in original state.(Human interaction not required) still display Success/Finish installation message on machine.

24. You can check the execution status of SP script by checking logs which is present in following location.
/opt/Seqrite_EndPoint_Security/log/SP_Logs.txt

Note:- In case of any failure the script will be rollback itself [No human intervention is required]. Same can be checked in Rollback logs.

/opt/Seqrite_EndPoint_Security/log/SP_Rollback.txt

25. Now you can check the SP is applied on logs & also can verify by accessing DB.

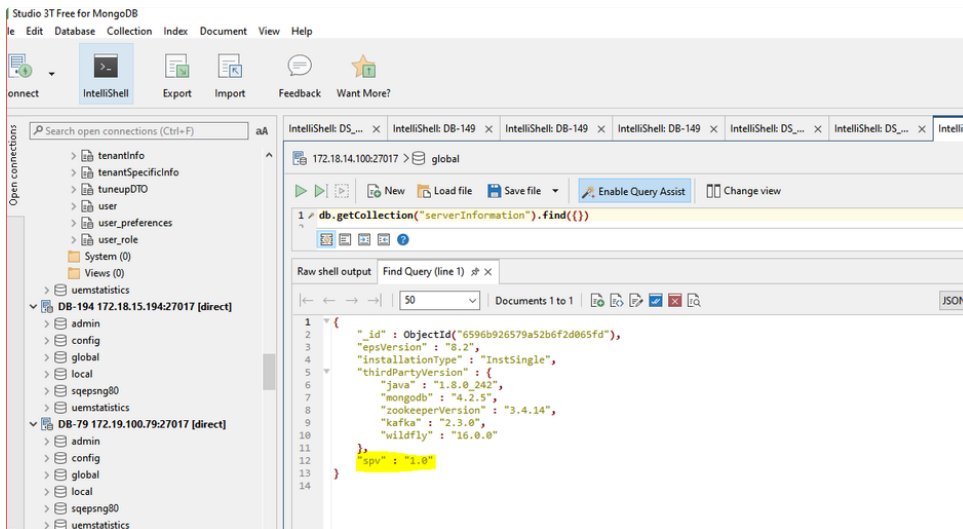
a. Before accessing the mongo db by robo-3t or studio-3t please hit following command to disable the authorization.

**sed -i -e 's,authorization: enabled,authorization: disabled,g' /etc/mongod.conf
systemctl restart mongod**

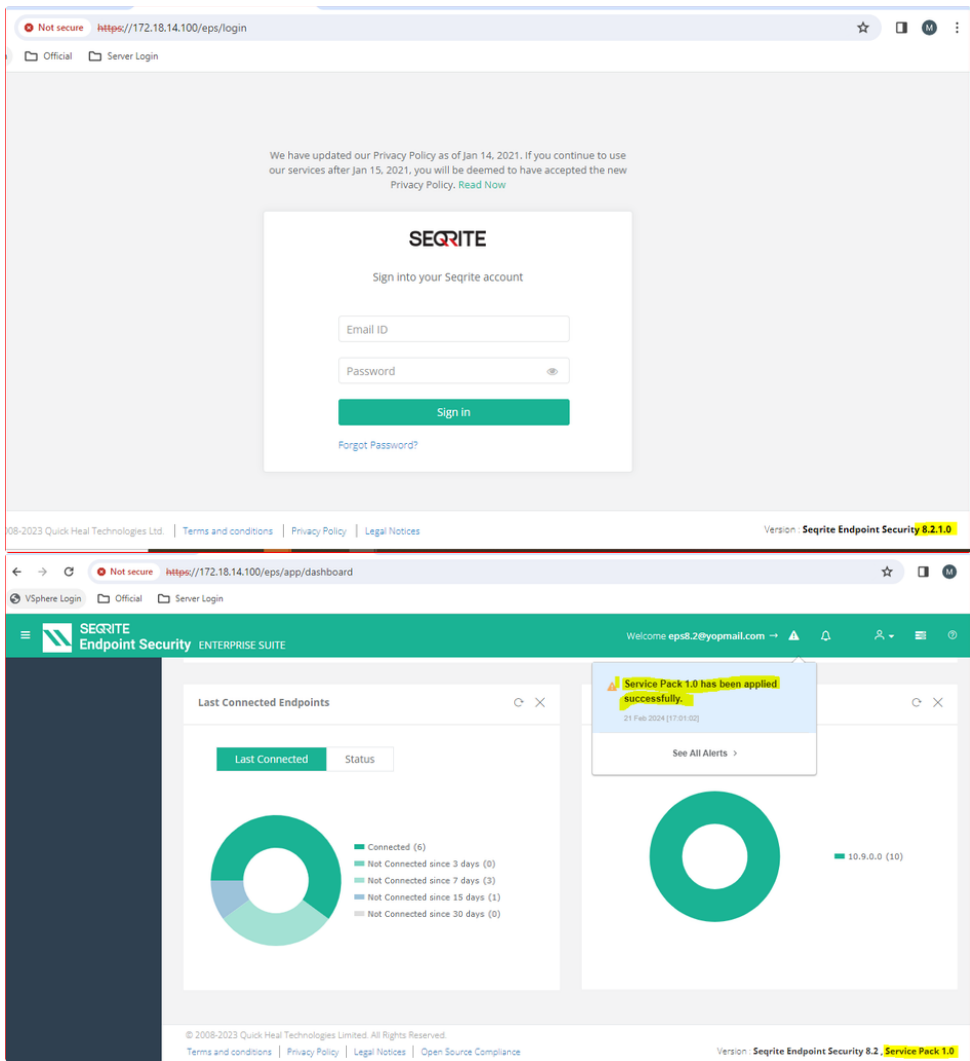
b. Now access the mongo db by using host IP [for eg:- 172.18.14.100

c. Now go to global collection > server information and check **spv =1.0**. We can assure that patch has successfully applied.]

Please refer the Snap shot attached:



d. Same can be verify by accessing server console on login page.



Apply SP Automatically: -

1. After patch [servicepack.sh] is applied to system we need to edit epscloudapi.properties in /opt/Seqrite_EndPoint_Security/config/
 - a. Edit epscloudapi.properties
 - b. Change qh.epscloud.cdnServerUrl=http://download.quickheal.com/builds/seqrite/82/en/build/ to qh.epscloud.cdnServerUrl=http://download.quickheal.com/builds/seqrite/82/en/build/ctrlidservicepack/sp10/ [This url used for local testing]
 - c. Snap are attached for example

```

1 #####
2 # Framework Properties
3 #####
4 qh.epscloud.app-info.id=eps
5 spring.mvc.view.prefix=/WEB-INF/views/
6 spring.mvc.view.suffix=.jsp
7 qh.epscloud.downloadUrl=https://172.18.14.100/s3
8 qh.epscloud.helpUrl=https://172.18.14.100/s3/seqrite-endpoint-security-ng/
9 qh.epscloud.defaultUrl=https://172.18.14.100:443/s1/
10 qh.epscloud.kafkaProducerBaseUrl=NA
11 spring.cache.type=NONE
12
13 # Spring mongo properties
14 spring.data.mongodb.authentication-database=admin
15 spring.liquibase.change-log=classpath:/db/changelog/db.changelog.xml
16
17 qh.epscloud.cdnServerUrl=http://download.quickheal.com/builds/seqrite/82/en/build/
18
19 # Security configuration
20 security.filter-order=5
21 security.ignored=/v1/eps/**,/v1/upgradation/,/v1/reports/csvexport/selectiveclients,/v1/reports/csvexport,/v1/repor
22 /export/download/**,/api-doc/**,/v2/**,/v1/servicepack/,/v1/notifyinstall/setupdetails,/v1/notifyinstall/create
23 /epsuser/deleteall,/v1/reports/csvexport/**
24 server.servlet.context-path=/eps
25 #####

```

2. After making changes in epscloudapi.properties . it will look like this.

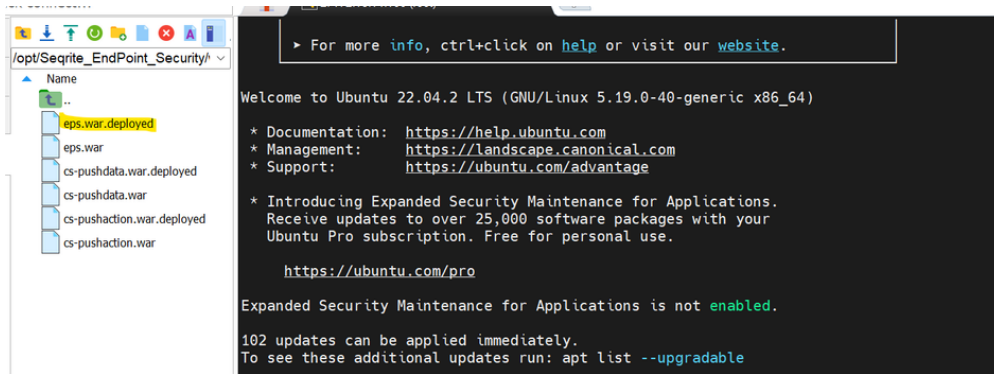
Snap are attached for example

```
1#####
2# Framework Properties
3#####
4qh.epscloud.app-info.id=eps
5spring.mvc.view.prefix=/WEB-INF/views/
6spring.mvc.view.suffix=.jsp
7qh.epscloud.downloadUrl=https://172.18.14.100/s3
8qh.epsonprem.helpUrl=https://172.18.14.100:/s3/seqrite-endpoint-security-ng/
9qh.epscloud.defaultUrl=https://172.18.14.100:443/s1/
0qh.epscloud.RafKaProducerBaseUrl=NA
1spring.cache.type=NONE
2
3# Spring mongo properties
4spring.data.mongodb.authentication-database=admin
5spring.liquibase.change-log=classpath:/db/changelog/db.changelog.xml
6
7qh.epscloud.cdnServerUrl=http://14.141.38.197:8765/qaupload/jitendra/epsng8.2/
8
9# Security configuration
0security.filter-order=5
1security.ignored=/v1/eps/**,/v1/upgradation/,/v1/reports/csvexport/selectiveclients,/v1/reports/csvexport,/v1/rep
2/export/download/**,/api-doc/**,/v2/**,/v1/servicepack/,/v1/notifyinstall/setupdetails,/v1/notifyinstall/crea
3/epsuser/deleteall,/v1/reports/csvexport/**
4server.servlet.context-path=/eps
5#####
6# F5Cache configuration
```

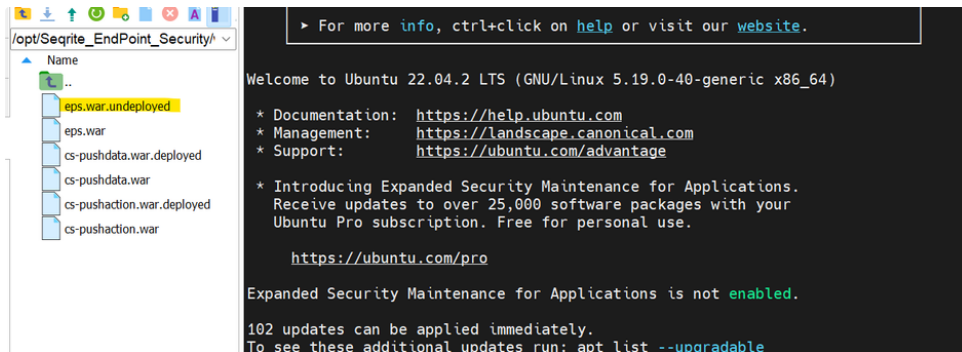
3. After making changes in properties redeploy the eps war from /opt/Seqrite_EndPoint_Security/wildfly/standalone/deployments/

4. Steps to redeploy eps war.

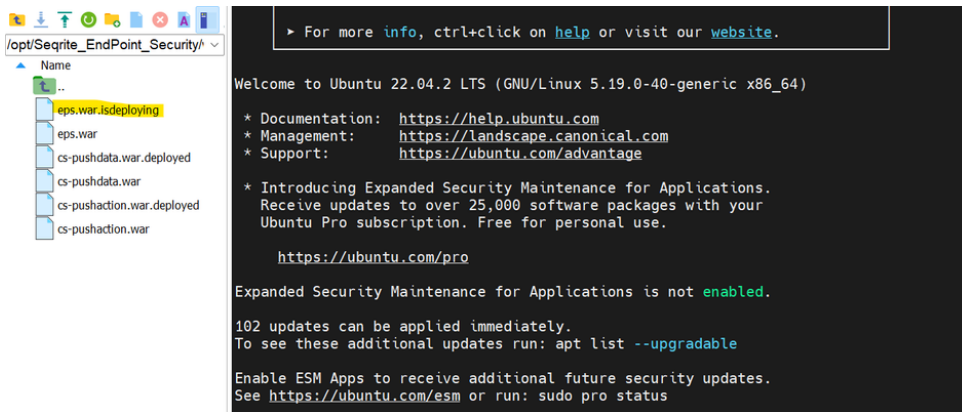
a. Remove the existing eps.war.deployed or from console [rm eps.war.deployed]



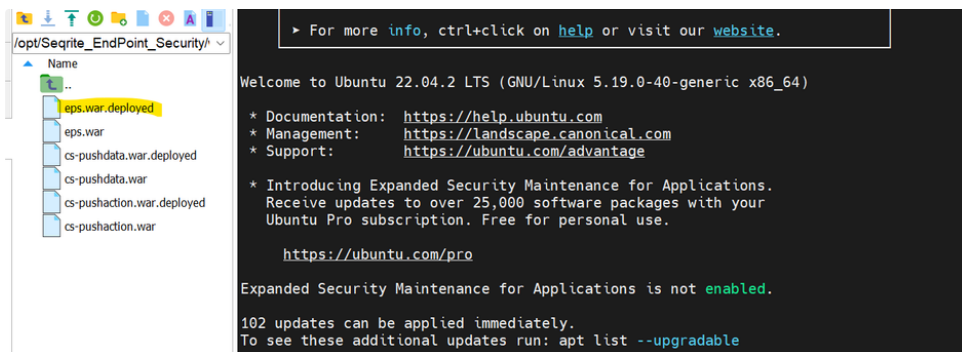
b. Now after refresh remove eps.war.undeployed also or from console [rm eps.war.undeployed].



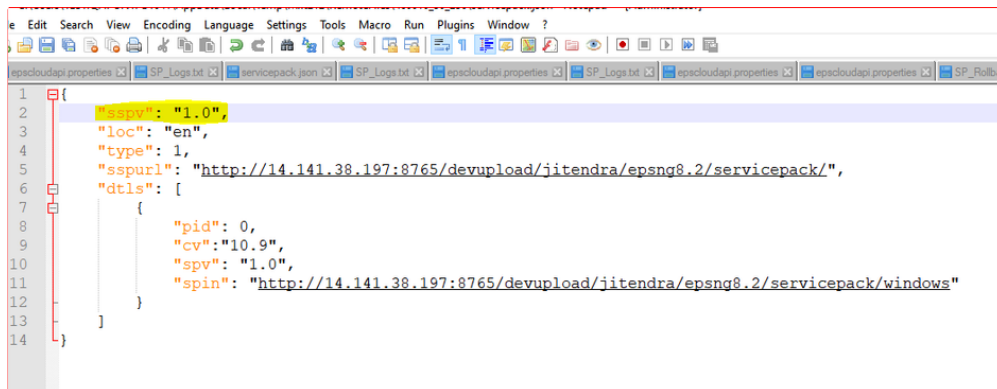
c. Now again refresh you will able to see eps.war.isdeploying



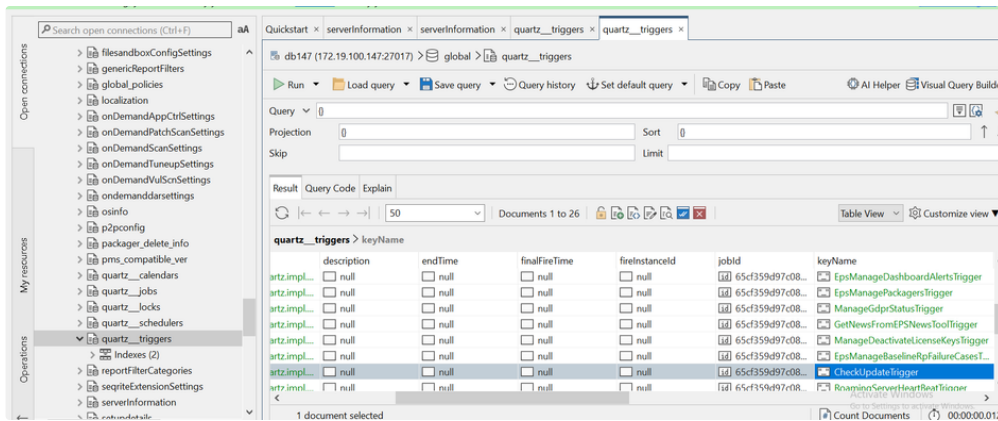
d. Now wait for sometime you will see eps.war.deployed



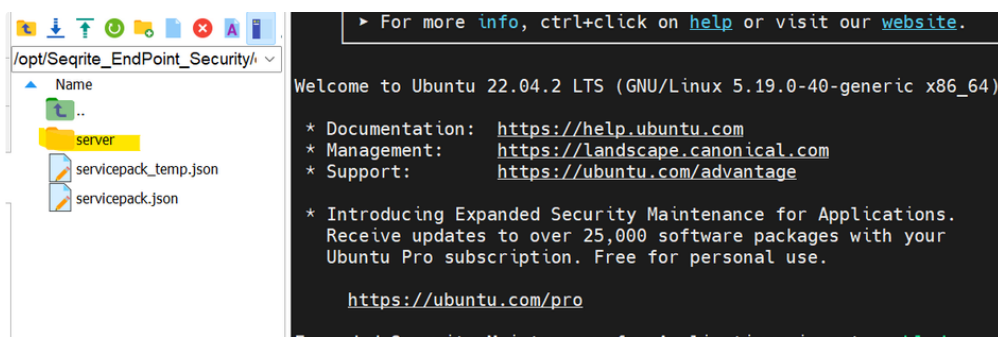
5. Make sure on this location <http://14.141.38.197:8765/qaupload/jitendra/epsng8.2/> SP and serivepack.json with "sspv": "1.0" is uploaded



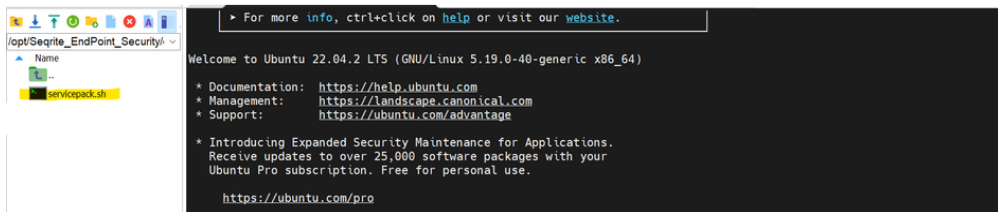
5. Now access mongo db from Robo 3T and go under global>quartz_triggers and trigger the Cron named Keyname >>CheckUpdateTrigger .



6. After the cronjob is triggered it will compare servicepack.json file on machine and one on cdn and after finding latest on CDN it will create a folder name server in location -/opt/Seqrite_EndPoint_Security/deployment/clientpackager/servicepack/



7. Now in this folder ServicePack file will get download .



8. After Downloading ServicePack it will automatically execute the ServicePack.

9. You can check the execution status of SP by checking logs which is present in following location.

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10. Now you can check the SP is applied on logs & also can verify by accessing DB.

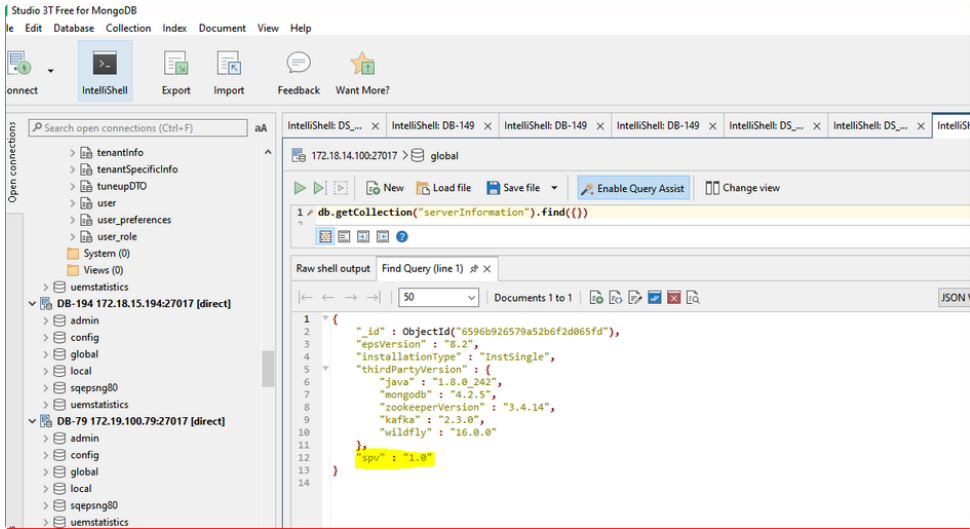
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systemctl restart mongod
```

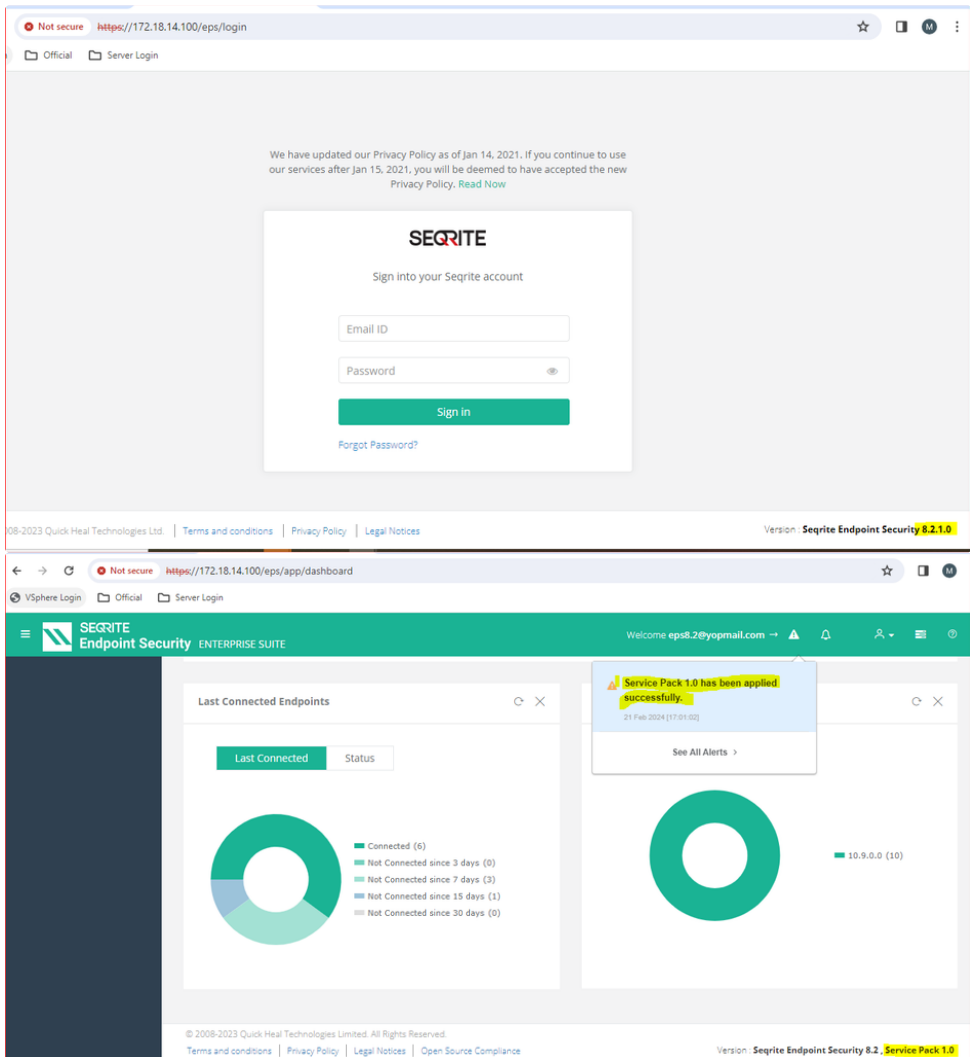
b. Now access the mongo db by using host IP [for eg:- 172.18.14.100

c. Now go to global collection > server information and check **spv=1.0**. We can assure that patch has successfully applied.]

Please refer the Snap shot attached:



d. Same can be verify by accessing server console on login page.



11. Note:- In case of any failure the Servicepack will be rollback itself and Same can be checked in Rollback logs.
/opt/Seqrите_EndPoint_Security/log/SP_Rollback.txt

