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]

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/ctrldservicepack/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.

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- 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:

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Application of Infra Service Pack [1.0]:-

a. Support for Offline Machine Apply manual process

b. Support for Online Machine Appy automatically process

Apply SP Manually: -

- Please access following path to get the following service pack
 SP 1.0 :- http://download.quickheal.com/builds/seqrite/82/en/build/ctrldservicepack/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]
- 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 "sspv": "0.1" to "sspv": "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.
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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:

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

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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/ctrldservicepack/sp10/ [This url used for local testing]
- c. Snap are attached for example



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



- 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 .

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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. /opt/Seqrite_EndPoint_Security/log/SP_Logs.txt
- 10. 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.

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