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SELinux:How to add policy for a new service?

Solution Number 00030216

Please Note:

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Language Key Words security,selinux,SEAndroid

Detail Information

Solution Title SELinux:How to add policy for a new service?

Solution Details Question: Sometimes, I can see from kernel log like following message, how can I add a new service policy?

E/SELinux (252): avc: denied { add } for service=myservice scontext=u:r:system_server:s0 tcontext=u:object_r:default_android_service:s0 tclass=service_manager

Answer:

Follow the example of this message, add a new service named "myservice"

1. in device/qcom/sepolicy/common , add in service_contexts
security u:object_r:myservice_service:s0

2. add service.te
type myservice_service, service_manager_type;

3.add system_server.te
allow system_server myservice_service:service_manager {add};

you can add more operation that allowed for this service beside "add".

Applicable Products AMSS 8226, AMSS 8626, AMSS 8928, AMSS 8936, AMSS 8939, AMSS 8974, AMSS8916, AMSS8926, AMSS8992, AMSS8994, AMSS8996