SA/VNF
OSSM
SM
VNFM or EM
Initial State - VNF Secure Bootstrap Protocol executed successfully
1
Secure BS protocol provisioned
VNFM/EM IP Add, Sec creds
2
SecProvSC-VNFM
(VNF-ID, Platform-ID, Sec Cred)
3
Establish mutually authenticated secure transport channel (Sec Credentials)
4
Management channel traffic - Logs(), Alerts(), Stats(), ...
5
Tenant, Services,
Network Information
6
SetPolicy
(Tenant-ID, Policy)
7
Update database, associates policy
with VNF sec. groups and SA/VNFs
8
SetPolicyOnAll SA/VNFs
(SecurityGroupID, Policy)
9
PushPersonalization (VNF-ID, PersonalizationParamsList)
10a
PushPolicy (VNF-ID, SA-ID, PolicyList)
10b
PushPolicy (VNF-ID, SA-ID, PolicyList)
11
Personalization and policy pushed
successfully to all affected SA/VNFs
Final State - SA VNF personalized and policy initial provisioning successful
12
Activate network-wide policies -
comms with SDN, virt./phys. switches