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## Cisco asa access- list security- group

You can incorporate Cisco TrustSec policy into many ASA functions. Any feature that uses extended APTs (unless listed in this chapter as unsupported) can take advantage of Cisco TrustSec. You can add security group arguments to extensible AC's, as well as traditional network-based parameters. For example, an access rule allows or denies traffic on an interface using network information. With Cisco TrustSec, you can control access based on security group. For example, you can create an access rule for sample\_securitygroup1 10.0.0.0 255.0.0.0, meaning the security group can have any IP address on subnet 10.0.0.0/8. You can configure security policies based on combinations of security group names (servers, users, unmanaged devices, and so on), user-based properties, and traditional IP address-based objects (IP address, Active Directory object, and FQDN). Security group memberships can extend beyond roles to include device and location features and are independent of user group memberships. The following example shows how to create an ACL that uses a locally defined security object group: object group security objgrp-it-admin securitygroupname it-admin-sg-name security group tag 1 object group security objgrp-hr-admin security-group name hr-admin-sg-name // single\_sg\_name group-object this-admin // locally defined object group as nested object-object-group security objg hr-hr-servers security-group name hr-servers-sg-name object-group security objgrp-hr-network security-group tag 2 access-list hr-acl permit ip object-group-group-security objgrp-hr-admin any object group-security objgrp-hr servers The ACL configured in the previous example can be enabled by configuring an access group or the Modular Policy Framework. Additional examples: !match src hr-admin-sg-name of any network to dst host 172.23.59.53 access-list idw-acl permit ip security-group name hr-admin-sg-name any host 172.23.59.53 !match src hr-admin-sg-name of the host 10.1.1.1 to any access list idfw-acl permit ip security-group name hr-admin-sg-name host 10.1.1.1 any !match src tag 22 of any network to dst hr-servers-sg-name any network access-list idfw-acl permit ip security-group tag 22 any security-group name hr-servers-sg-name any !match src user maria from any host to dst hr-servers-sg-name any network access-list idfw-acl permit ip user CSCO\mary any security-group name hr-servers-sg-name any !match src objgrp-hr-admin of any network to dst objgrp-hr-servers any network access-list idfw-acl permit ip object-group-security objgrp-hr-admin any object-group-security objgrp-hr-servers any !match src user Jack from objgrp-hr-network and ip subnet 10.1.1.0/24 ! to objgrp-hr-servers any network access-list idfw-acl permit ip user CSCO\Jack objgrp-hr network 10.1.1.0 255.255.255.0 object group-security objgrp-hr-servers any !match src user Tom of security-group mktg any google.com object network net-Google fqdn google.com access-list sgacl permit ip sec name any object only-Google ! If user Tom or object\_group security objgrp-hr-admin must match, ! multiple ACEs can be defined as follows: accesslist idfw-acl2 permit ip user CSCO\Tom 10.1.1.0 255.255.255.0 object group-security objgrp-hr-servers any access-list idfw-acl2 permit object-group security objgrp-hr-admin 10.1.1.0 255.255.255.0 object group-security objgrp-hr-servers any In large networks especially Data Centers, the ACLs may be too large — up to hundreds of lines and hard to configure and manage. Object group-based AJLs provide the solution here – it's smaller, readable, and easier to configure and manage. Not only is the static ACL, but also dynamic ACL deployments for large user environments are befit. Related - ACL on Router vs Firewall The Object Groups feature enables us to classify users, devices, or protocols into groups and apply those groups to access control lists (ACLs). This lets us create access control policies for groups and use object groups instead of IP addresses, protocols, or even port numbers used in conventional APTs. The approach is to use a single ACE to allow an entire

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