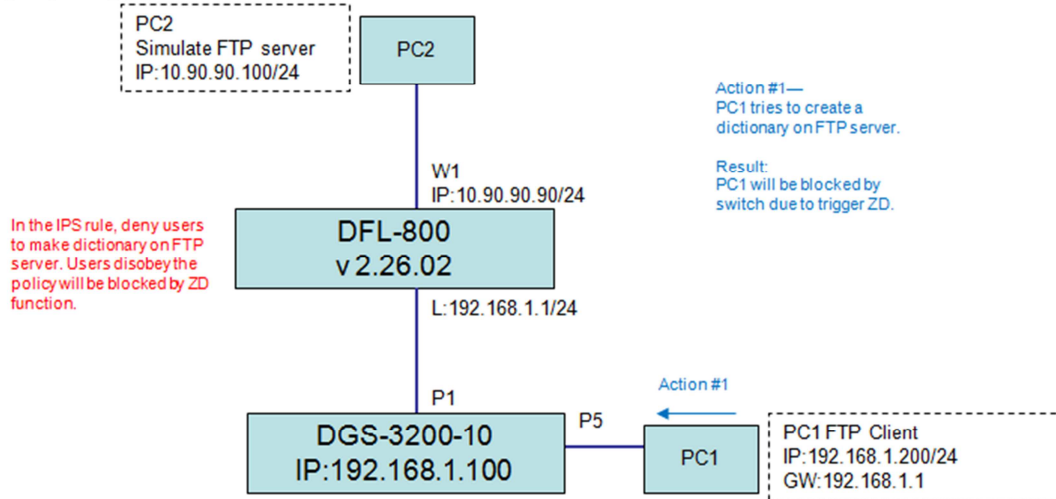


[Background]

The IPS is used for detecting the traffic from OSI layer 5~ layer 7, administrators are able to prevent the intrusion from internet or intranet by setting up the IDP rules. IPS with ZoneDefense feature is able to block some internal or internet intended users to breach the service servers.

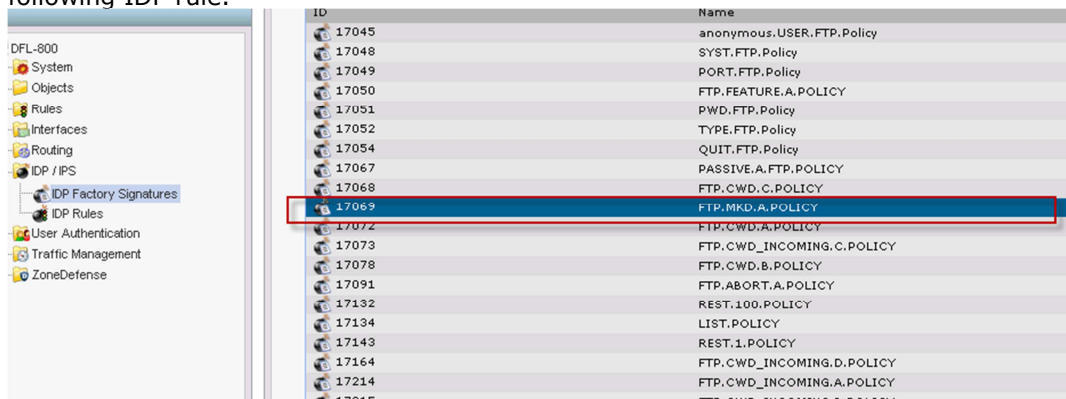
The current example is trying to block the users who are intended to make the dictionary on the FTP server.

[Topology]



[Configuraion]

STEP1. Find the signature we want to apply via WebUI and then copy the string for creating the following IDP rule.



STEP2. Create rules via CLI.

```
#####
set Interface Ethernet wan1 DHCPEnabled=No
set Address IP4Address InterfaceAddresses/wan1_ip Address=10.90.90.90
set Address IP4Address InterfaceAddresses/wan1net Address=10.90.90.0/24
```

```
add IDPRule SourceInterface=lan SourceNetwork=InterfaceAddresses/lanet
DestinationInterface=wan1 DestinationNetwork=all-nets Service=ftp-passthrough Name=ftp-policy
```

```
cc IDPRule 1(ftp-policy)
add IDPRuleAction Action=Protect Signatures=FTP.MKD.A.POLICY LogEnabled=Yes
ZoneDefense=Yes BlackList=No
// The string FTP.MKD.A.POLICY was copied from STEP1.
cc
```

```
add ZoneDefenseSwitch dgs-3200-10 IP=192.168.1.100 SNMPCommunity=private Enabled=Yes
```

SwitchModel=DGS-32XX

#####

[Result]

1. Check if the PC1 was triggered by IPS rule via WebUI. Go to Status-->IDP/IPS Status.

IDP / IPS Status

Each search field uses a strict matching policy. Wildcard searches are done by using "*" to match zero or more arbitrary characters. "?" matches one arbitrary character.

Time: From [] To []

Source: Interface: [] IP Address: [] Port: []

Destination: Interface: [] IP Address: [] Port: []

Event: [] Action: []

Severity: (Any) Category: (Any)

Free Text: []

[Search] [Reset]

Internal Logging (1-1:1) [Refresh Log] [Clear log]

Date	Severity	Category/ID	Rule	Proto	Src/DstIif	Src/DstIP	Src/DstPort	Event/Action
2010-10-21 09:31:33	Warning	IDP 1300003	ftp-policy	TCP		192.168.1.200 10.90.90.100	1122 21	intrusion_detected close
description="FTP,MKD,A,POLICY" signatureid=17069 idrule="ftp-policy" Advisory link								

2. Check if the ZoneDefense was triggered via WebUI. Go to "Status"-->"ZoneDefense"

ZoneDefense Status

Blocked	Time	AlertType	RuleName	Description
<input type="checkbox"/>	192.168.1.200	2010-10-21 09:31:33	Idrules	ftp-policy
Signature "FTP,MKD,A,POLICY"				

[Unblock selected] [Unblock all]

3. Check if the ACL was built on Switch.

#####

DGS-3200-10:4#show access_profile
Command: show access_profile

Access Profile Table

Total Unused Rule Entries:199
Total Used Rule Entries :1

Access Profile ID: 3

Type : IP

=====
=====
Owner : ACL
MASK Option :
Source IP MASK
255.255.255.255

Access ID : 1 Mode: Deny
Ports : 1-10

192.168.1.200
=====
=====

Unused Entries: 199

DGS-3200-10:4#

#####

4. Now the PC1 (192.168.1.200) shall not be able to access anywhere.