Red Hat Enterprise Linux Release 9.2 Manual Pages on 'firewalld.service.5' command

$ man firewalld.service.5

FIREWALLD.SERVICE(5)   firewalld.service   FIREWALLD.SERVICE(5)

NAME

   firewalld.service - firewalld service configuration files

SYNOPSIS

   /etc/firewalld/services/service.xml

   /usr/lib/firewalld/services/service.xml

DESCRIPTION

   A firewalld service configuration file provides the information of a

   service entry for firewalld. The most important configuration options

   are ports, modules and destination addresses.

   This example configuration file shows the structure of a service

   configuration file:

```xml
    <?xml version="1.0" encoding="utf-8"?>

    <service>

     <short>My Service</short>

     <description>description</description>

     <port port="137" protocol="tcp"/>

     <protocol value="igmp"/>

     <module name="nf_conntrack_netbios_ns"/>

     <destination ipv4="224.0.0.251" ipv6="ff02::fb"/>

     <include service="ssdp"/>

     <helper name="ftp"/>

    </service>
```

OPTIONS

The config can contain these tags and attributes. Some of them are mandatory, others optional.

service

The mandatory service start and end tag defines the service. This tag can only be used once in a service configuration file. There are optional attributes for services:

version="string"

To give the service a version.

short

Is an optional start and end tag and is used to give an service a more readable name.

description

Is an optional start and end tag to have a description for a service.

port

Is an optional empty-element tag and can be used several times to have more than one port entry. All attributes of a port entry are mandatory:

port="string"

The port string can be a single port number or a port range portid-portid or also empty to match a protocol only.

protocol="string"

The protocol value can either be tcp, udp, sctp or dccp.

For compatibility with older firewalld versions, it is possible to add protocols with the port option where the port is empty. With the addition of native protocol support in the service, this it not needed anymore. These entries will automatically be converted to protocols. With the next modification of the service file, the enries will be listed as protocols.

protocol

Is an optional empty-element tag and can be used several times to have more than one protocol entry. A protocol entry has exactly one attribute:

value="string"

The protocol can be any protocol supported by the system. Please
have a look at /etc/protocols for supported protocols.

source-port

Is an optional empty-element tag and can be used several times to have
more than one source port entry. All attributes of a source port entry
are mandatory:

port="string"

The port string can be a single port number or a port range
portid-portid.

protocol="string"

The protocol value can either be tcp, udp, sctp or dccp.

module

This element is deprecated. Please use helper described below in the
section called ?helper?.

destination

Is an optional empty-element tag and can be used only once. The
destination specifies the destination network as a network IP address
(optional with /mask), or a plain IP address. The use of hostnames is
not recommended, because these will only be resolved at service
activation and transmitted to the kernel. For more information in this
element, please have a look at --destination in iptables(8) and
ip6tables(8).

ipv4="address[/mask]"

The IPv4 destination address with optional mask.

ipv6="address[/mask]"

The IPv6 destination address with optional mask.

include

Is an optional empty-element tag and can be used several times to have
more than one include entry. An include entry has exactly one
attribute:

service="string"

The include can be any service supported by firewalld.

Warning:Firewalld will only check that the included service is a

valid service if it's applied to a zone.

helper

Is an optional empty-element tag and can be used several times to have

more than one helper entry. An helper entry has exactly one attribute:

name="string"

The helper can be any helper supported by firewalld.

SEE ALSO

firewall-applet(1), firewalld(1), firewall-cmd(1), firewall-config(1),

firewalld.conf(5), firewalld.direct(5), firewalld.dbus(5),

firewalld.icmptype(5), firewalld.lockdown-whitelist(5), firewall-

offline-cmd(1), firewalld.richlanguage(5), firewalld.service(5),

firewalld.zone(5), firewalld.zones(5), firewalld.policy(5),

firewalld.policies(5), firewalld.ipset(5), firewalld.helper(5)

NOTES

firewalld home page:

http://firewalld.org

More documentation with examples:

http://fedoraproject.org/wiki/FirewallD

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