A module that provides basic conditions and actions for packet filtering.
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1 Introduction

This document defines a module for Packet Filtering (XEP-0062) ¹ that provides some basic conditions and actions to perform common packet filtering tasks.
This module operates in the "http://jabber.org/protocol/filter/basic" namespace.

2 Conditions

This module defines the following conditions:

• <message/> - true if the packet is a <message/> packet.
• <presence/> - true if the packet is a <presence/> packet.
• <iq/> - true if the packet is a <iq/> packet. If this element contains CDATA, then it must match the namespace of the first element inside the packet (typically <query/>) in order to be true.
• <to/> - true when the CDATA of this element matches the "to" attribute of the packet.
• <from/> - true when the CDATA of this element matches the "from" attribute of the packet.
• <type/> - true when the CDATA of this element matches the "type" attribute of the packet.

Listing 1: Matches all presence packets
<presence xmlns='http://jabber.org/protocol/filter/basic'/>

Listing 2: Matches all jabber:iq:version IQ packets
<iq xmlns='http://jabber.org/protocol/filter/basic'>jabber:iq:version</iq>

Listing 3: Matches all packets from user@company.com
<from xmlns='http://jabber.org/protocol/filter/basic'>user@company.com</from>

3 Actions

This module defines the following actions:

- `<drop/>` - drops the packet
- `<bounce/>` - bounces the packet with the error specified in the "code" attribute of this element.
- `<redirect/>` - redirects the packet to the JID specified in the CDATA of this element.
- `<copy/>` - sends a copy of the packet to the JID specified in the CDATA of this element, while giving the original packet to the user.

Listing 4: Pretend that we don’t exist
```xml
<bounce xmlns='http://jabber.org/protocol/filter/basic' code='404'/>
```

Listing 5: Send a copy to our home account
```xml
<copy xmlns='http://jabber.org/protocol/filter/basic'>me@home.com</copy>
```

4 Security Considerations

There are no security features or concerns related to this proposal.

5 IANA Considerations

This document requires no interaction with the IANA.

6 JANA Considerations

No namespaces or parameters need to be registered with JANA as a result of this document.