



# XMPP

## XEP-0469: Bookmark Pinning

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Experimental	Standards Track	bookmarkspinning

This document defines an XMPP protocol extension to allow users to pin PEP Native Bookmarks.

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## 1 Introduction

The [PEP Native Bookmarks \(XEP-0402\)](#)<sup>1</sup> defines a way to store Bookmarks using user PEP nodes and brings a support for extensions

Some users might be interested to pin some important Bookmarks when managing them.

## 2 Requirements

This extensions allow clients to pin important bookmarks.

## 3 Protocol

When saving a [PEP Native Bookmarks \(XEP-0402\)](#)<sup>2</sup> pinned item the client MUST add a new 'pinned' element within the 'extensions' element having the 'urn:xmpp:bookmarks-pinning:0' namespace.

Listing 1: Client adds a new bookmark

```
<iq from='juliet@capulet.lit/balcony' type='set' id='pip1'>
  <pubsub xmlns='http://jabber.org/protocol/pubsub'>
    <publish node='urn:xmpp:bookmarks:1'>
      <item id='theplay@conference.shakespeare.lit'>
        <conference xmlns='urn:xmpp:bookmarks:1'
          name='The_Play&apos;s_the_Thing'
          autojoin='true'>
          <nick>JC</nick>
          <extensions>
            <pinned xmlns='urn:xmpp:bookmarks-pinning:0' />
          </extensions>
        </conference>
      </item>
    </publish>
    ...
  </pubsub>
</iq>
```

## 4 Business Rules

When handling a pinned item, a client SHOULD prioritize it and treat it as important. A client MAY display it using visual specificities (e.g., ordering, icon, color) to differentiate it from

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<sup>1</sup>XEP-0402: PEP Native Bookmarks <<https://xmpp.org/extensions/xep-0402.html>>.

<sup>2</sup>XEP-0402: PEP Native Bookmarks <<https://xmpp.org/extensions/xep-0402.html>>.

non-pinned items.

## 5 Security Considerations

See considerations in [PEP Native Bookmarks \(XEP-0402\)](#)<sup>3</sup>.

## 6 IANA Considerations

This document requires no interaction with the [Internet Assigned Numbers Authority \(IANA\)](#)<sup>4</sup>.

## 7 XMPP Registrar Considerations

### 7.1 Protocol Namespaces

This specification defines the following XML namespace:

- `urn:xmpp:bookmarks-pinning:0`

The [XMPP Registrar](#)<sup>5</sup> includes this namespace in the registry located at `<https://xmpp.org/registrar/namespaces.html>`, as described in Section 4 of [XMPP Registrar Function \(XEP-0053\)](#)<sup>6</sup>.

### 7.2 Protocol Versioning

If the protocol defined in this specification undergoes a revision that is not fully backwards-compatible with an older version, the XMPP Registrar shall increment the protocol version number found at the end of the XML namespaces defined herein, as described in Section 4 of XEP-0053.

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<sup>3</sup>XEP-0402: PEP Native Bookmarks `<https://xmpp.org/extensions/xep-0402.html>`.

<sup>4</sup>The Internet Assigned Numbers Authority (IANA) is the central coordinator for the assignment of unique parameter values for Internet protocols, such as port numbers and URI schemes. For further information, see `<http://www.iana.org/>`.

<sup>5</sup>The XMPP Registrar maintains a list of reserved protocol namespaces as well as registries of parameters used in the context of XMPP extension protocols approved by the XMPP Standards Foundation. For further information, see `<https://xmpp.org/registrar/>`.

<sup>6</sup>XEP-0053: XMPP Registrar Function `<https://xmpp.org/extensions/xep-0053.html>`.

## 8 XML Schema

```
<?xml version='1.0' encoding='UTF-8'?>
<xs:schema
  xmlns:xs='http://www.w3.org/2001/XMLSchema'
  targetNamespace='urn:xmpp:bookmarks-pinning:0'
  xmlns='urn:xmpp:bookmarks-pinning:0'
  elementFormDefault='qualified'>

  <xs:annotation>
    <xs:documentation>
      The protocol documented by this schema is defined in
      XEP-0402: http://www.xmpp.org/extensions/xep-0402.html
    </xs:documentation>
  </xs:annotation>

  <xs:element name='pinned' type='empty' />

  <xs:simpleType name='empty'>
    <xs:restriction base='xs:string'>
      <xs:enumeration value='' />
    </xs:restriction>
  </xs:simpleType>

</xs:schema>
```