XEP-0469: Bookmark Pinning

Timothée Jaussoin
mailto:edhelas@movim.eu
xmpp:edhelas@movim.eu

2022-08-23
Version 0.1.0

<table>
<thead>
<tr>
<th>Status</th>
<th>Type</th>
<th>Short Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experimental</td>
<td>Standards Track</td>
<td>bookmarkspinning</td>
</tr>
</tbody>
</table>

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

Copyright

This XMPP Extension Protocol is copyright © 1999 – 2020 by the XMPP Standards Foundation (XSF).

Permissions

Permission is hereby granted, free of charge, to any person obtaining a copy of this specification (the "Specification"), to make use of the Specification without restriction, including without limitation the rights to implement the Specification in a software program, deploy the Specification in a network service, and copy, modify, merge, publish, translate, distribute, sublicense, or sell copies of the Specification, and to permit persons to whom the Specification is furnished to do so, subject to the condition that the foregoing copyright notice and this permission notice shall be included in all copies or substantial portions of the Specification. Unless separate permission is granted, modified works that are redistributed shall not contain misleading information regarding the authors, title, number, or publisher of the Specification, and shall not claim endorsement of the modified works by the authors, any organization or project to which the authors belong, or the XMPP Standards Foundation.

Warranty

## NOTE WELL: This Specification is provided on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. ##

Liability

In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall the XMPP Standards Foundation or any author of this Specification be liable for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising from, out of, or in connection with the Specification or the implementation, deployment, or other use of the Specification (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if the XMPP Standards Foundation or such author has been advised of the possibility of such damages.

Conformance

This XMPP Extension Protocol has been contributed in full conformance with the XSF’s Intellectual Property Rights Policy (a copy of which can be found at <https://xmpp.org/about/xsf/ipr-policy> or obtained by writing to XMPP Standards Foundation, P.O. Box 787, Parker, CO 80134 USA).
Contents

1 Introduction 1

2 Requirements 1

3 Protocol 1

4 Business Rules 1

5 Security Considerations 2

6 IANA Considerations 2

7 XMPP Registrar Considerations 2
   7.1 Protocol Namespaces ........................................ 2
   7.2 Protocol Versioning .......................................... 2

8 XML Schema 3
1 Introduction

The PEP Native Bookmarks (XEP-0402) \(^1\) 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) \(^2\) 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**

```xml
<iq from='juliet@capulet.lit/balcony' type='set' id='pipl'>
  <pubsub xmlns='http://jabber.org/protocol/pubsub'>
    <item node='urn:xmpp:bookmarks:1'>
      <conference xmlns='urn:xmpp:bookmarks:1' name='The Play’s the Thing' autojoin='true'>
        <nick>JC</nick>
        <extensions>
          <pinned xmlns='urn:xmpp:bookmarks-pinning:0'/>
        </extensions>
      </conference>
    </item>
  </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 differenciate it from

---


non-pinned items.

5 Security Considerations

See considerations in PEP Native Bookmarks (XEP-0402).³

6 IANA Considerations

This document requires no interaction with the Internet Assigned Numbers Authority (IANA)⁴.

7 XMPP Registrar Considerations

7.1 Protocol Namespaces

This specification defines the following XML namespace:

• urn:xmpp:bookmarks-pinning:0

The XMPP Registrar⁵ 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).⁶

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.

---

⁴The 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/>.
⁵The 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/>.
8 XML Schema

```xml
<?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>
```