Setting up Hookshot without E2EE support in encrypted rooms
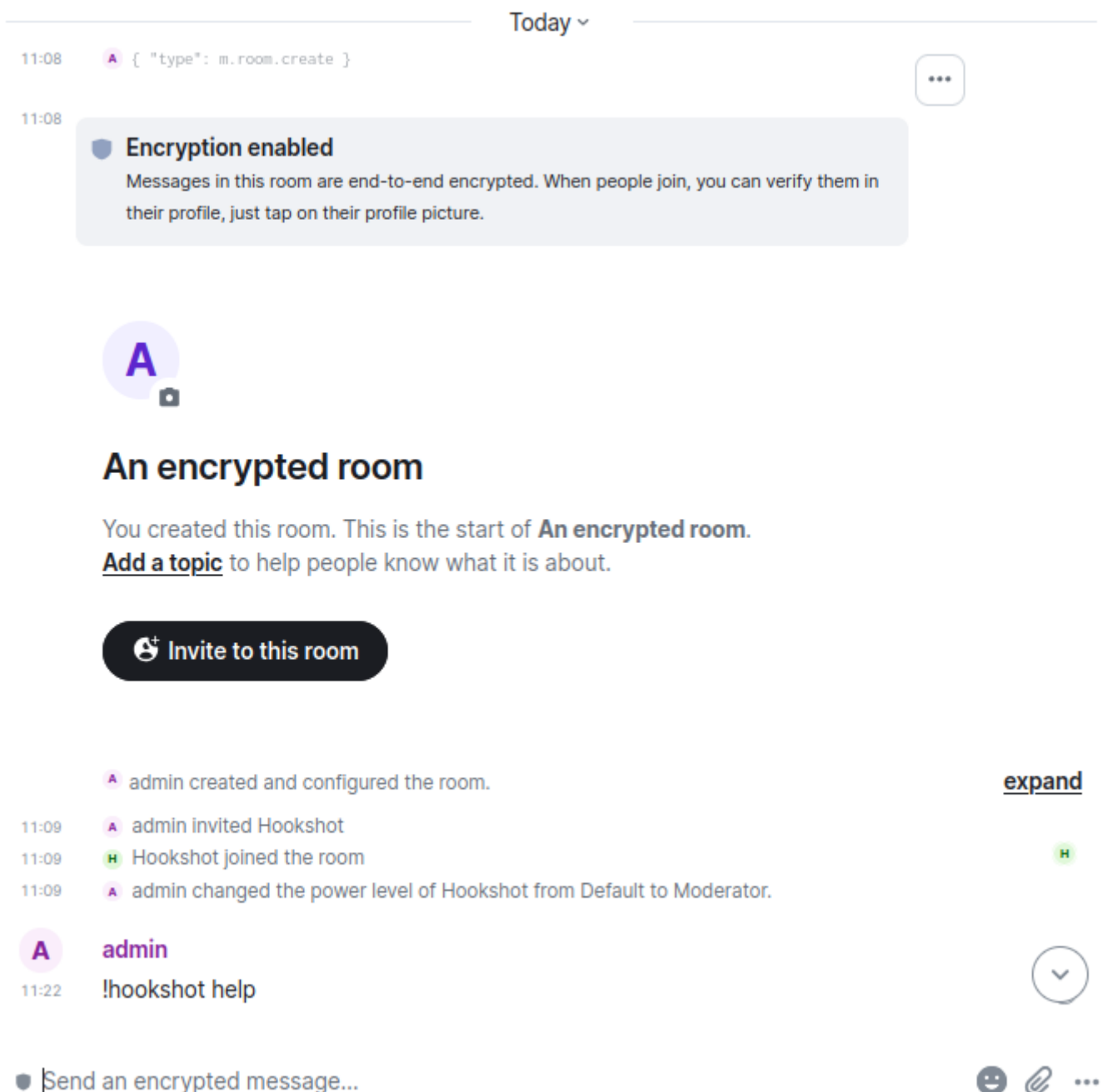
If your Hookshot instance does not have E2EE support enabled but you still want to add it to an encrypted room, you can do this with a couple of caveats:
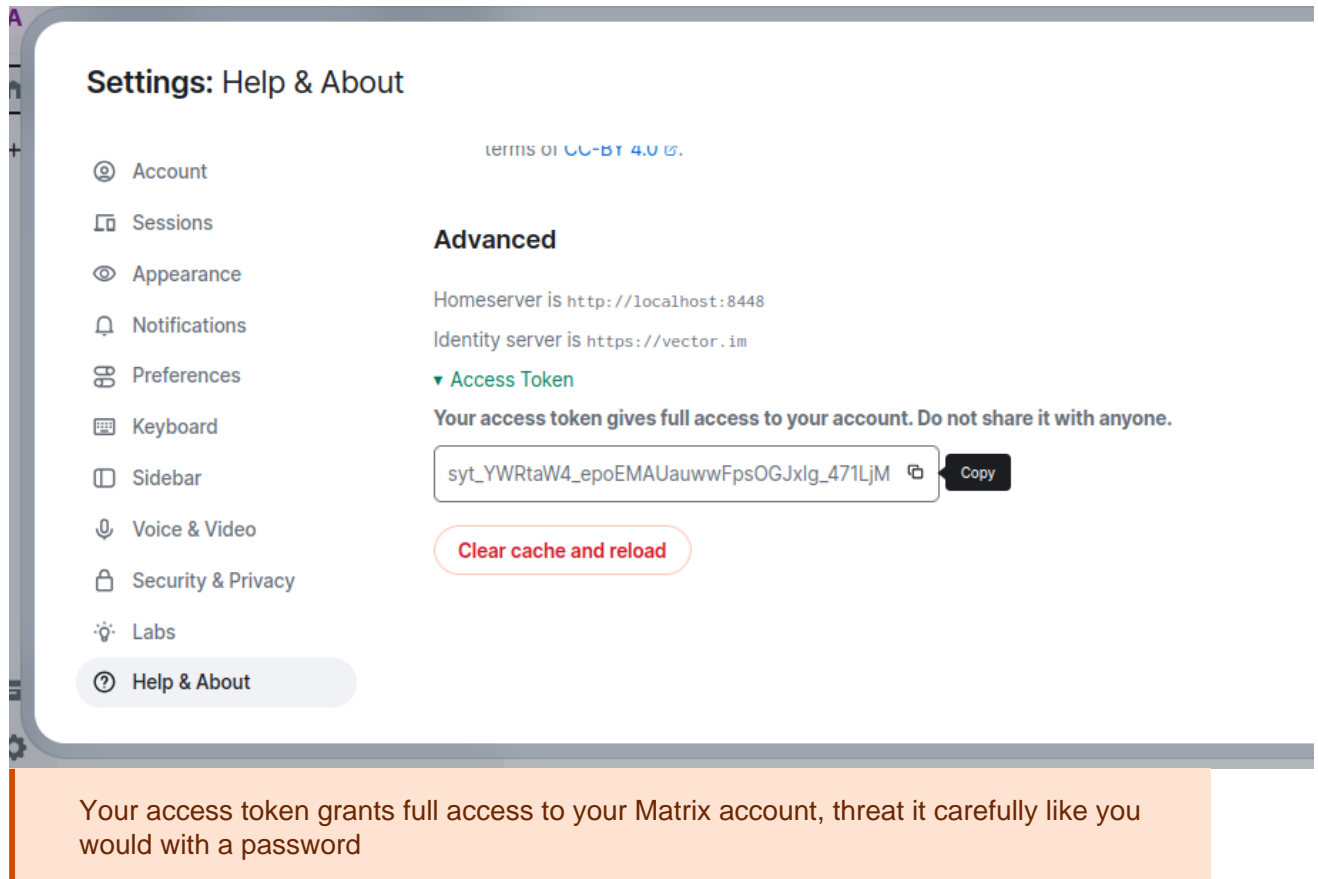
- You cannot send commands to Hookshot in the room as Hookshot cannot read any messages in the room

- Any messages sent by Hookshot will be unencrypted

To set this up:

- Invite your Hookshot bot to the room, this works the same as with unencrypted rooms. The bot follows the same <u>permissions</u> in encrypted vs. unencrypted rooms and will join when invited.
- Promote the Hookshot bot to the required room permissions. By default, Moderator.
- If your Hookshot is configured to automatically <u>add the widget on invite</u>, no further configuration is required.
- If not, you need to manually send the `setup-widget` command unencrypted. By design, it is impossible to send an unencrypted message into an encrypted room using Element. So to do it:
  - Grab your account access token from Element settings -> Help & About -> Advanced -> Access Token

Settings: Help & About

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- Account
- Sessions
- Appearance
- Notifications
- Preferences
- Keyboard
- Sidebar
- Voice & Video
- Security & Privacy
- Labs
- Help & About

Advanced

Homeserver is `http://localhost:8448`

Identity server is `https://vector.im`

▼ Access Token

Your access token gives full access to your account. Do not share it with anyone.

`syt_YWRtaW4_epoEMAUauwwFpsOGJxlg_471LjM` Copy

Clear cache and reload

> Your access token grants full access to your Matrix account, threat it carefully like you would with a password

  - Grab the room ID for the room you wish to add Hookshot to by clicking the (i) Room Info button, then Settings in the right column

○ Under Advanced, copy the Internal room ID

○ Replace the leading `!` (exclamation mark) with `%21` (for example, `!QrmxBsBKPajykCohPz:localhost:8448` becomes `%21QrmxBsBKPajykCohPz:localhost:8448`)
○ Find the URL where your Matrix server is exposed. This may not be the same as the domain in your Matrix ID
○ Open a terminal on your computer. On Windows; PowerShell, on Mac; Terminal
○ Send the command below for your operating system. Replace `domain-where-your-matrix-server-is-exposed`, `room-id` and `access-toke` with the values from earlier. Note, if you are sending more than one message using your terminal, you need to change `1234` to another value each time.
  ○ Mac and Linux:

```
curl --request PUT \
  --url 'https://domain-where-your-matrix-server-is-exposed/_matrix/client/r0/rooms/room-id/send/m.room.message/1234' \
  --header 'Authorization: Bearer access-token' \
  --header 'content-type: application/json' \
  --data '{
 "msgtype":"m.text",
 "body":"!hookshot setup-widget"
 }'
```

For example:

```
curl --request PUT \
  --url
```

```
'https://localhost:8448/_matrix/client/r0/rooms/%21QrmxBsBKPajykCohPz:localhost:8448/
send/m.room.message/1234' \
  --header 'Authorization: Bearer syt_YWRtaW4_epoEMAUauwwFpsOGJxIg_471LjM' \
  --header 'content-type: application/json' \
  --data '{
 "msgtype":"m.text",
 "body":"!hookshot setup-widget"
}'
```

- Windows:

```
$url = "https://domain-where-your-matrix-server-is-
exposed/_matrix/client/r0/rooms/room-id/send/m.room.message/1234"

$headers = @{
    "Authorization" = "Bearer access-token"
    "Content-Type" = "application/json"
}

$body = @{
    msgtype = "m.text"
    body = "!hookshot setup-widget"
} | ConvertTo-Json

Invoke-RestMethod -Uri $url -Method Put -Headers $headers -Body $body
```

For example:

```
$url =
"https://localhost:8448/_matrix/client/r0/rooms/%21QrmxBsBKPajykCohPz:localhost:8448/
send/m.room.message/1234"

$headers = @{
    "Authorization" = "Bearer syt_YWRtaW4_epoEMAUauwwFpsOGJxIg_471LjM"
    "Content-Type" = "application/json"
}

$body = @{
    msgtype = "m.text"
    body = "!hookshot setup-widget"
} | ConvertTo-Json
```

Invoke-RestMethod -Uri $url -Method Put -Headers $headers -Body $body

```
$ curl --request PUT \
  --url 'http://localhost:8448/_matrix/client/r0/rooms/%21QrmxBsBKPajykCohPz:localhost:8448/send/m.room.message/1234' \
  --header 'Authorization: Bearer syt_YWRtaW4_epoEMAUauwwFpsOGJxIg_471LjM' \
  --header 'content-type: application/json' \
  --data '{
      "msgtype":"m.text",
      "body":"!hookshot setup-widget"
}'
{"event_id":"$hCIfTHjx6aMg2QoTtHFpv9DZxU2rsNR5Eb5IF2CPMbw"}$ █
```

A An encrypted room   A H 2   ‹ Extensions   ✕

Today ⌄   + Add extensions

13:17
    🛡 Encryption enabled   🌐 Hookshot Configuration   ⋯ 📌
    Messages in this room are end-to-end encrypted. When people join, you can
    verify them in their profile, just tap on their profile picture.
                                                          Set layout for everyone

         A

    An encrypted room

    You created this room. This is the start of An encrypted room.
    Add a topic to help people know what it is about.

    ⊕ Invite to this room

                                                         collapse

13:17   A admin joined the room
13:17   A admin made the room invite only.
13:17   A admin made future room history visible to all room members.
13:17   A admin has allowed guests to join the room.
13:17   A admin changed the room name to An encrypted room.

13:17   A admin invited hookshot
13:17   H hookshot joined the room
13:17   A admin changed the power level of hookshot from Default to Moderator.

A   admin
13:17   !hookshot help
13:19 ❗ !hookshot setup-widget
         ✅ 1
13:19   H Hookshot Configuration widget added by hookshot

H   hookshot
13:19 ❗ Please open the Hookshot Configuration widget to set up integrations.   H

   ⬤ Send an encrypted message...   😊 📎 ⋯

My message was sent without encryption and Hookshot responded. You can now use Hookshot via the widget normally.

Note that all messages sent by Hookshot remain unencrypted. Element warns you with the red shield on the messages.