

Web Activity 202 (redirect) issues


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Background

Some Web endpoints return a 202 value if processing hasn't actually completed. The assumption is that the caller will poll for status at some other location.

By default our activity assumes that a "Location" field will be returned as well with either a complete URL (eg www.website.com/pollinglocation ) or a relative URL (polling location) that should be added to the base URL of the site.

We will then poll that URL every 15 seconds to see if the operation is complete or has failed (eg returns an http status code other than 202).

Issue

There are a couple of potential issues here:

1. The called location might not send a location field. In this case we assume (and report) a success instead
2. The relative URL returned maybe an offset from something other than the base URL. In this case we will attempt to poll the wrong location and probably report a failure instead.
3. The 202 might return an ID or other value that should be used in the polling operation. We will not extract that properly.

Resolution

Ideally the endpoint can be changed to return information in the way we expect. However, if that isn't possible then they will have to implement their own polling operation (probably in an Azure function).

We currently have a feature flag that will allow them to disable polling:

- In the UI they can add `feature.enableTurnOffAsync=True` to see the checkbox that allows them to disable it
- They can edit the WebActivity json code and add the following to the TypeProperties section:
"turnOffAsync": true,