

# Subscription Fhir Resource Proposal

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# Subscription

## Owning committee name

[FHIR Project Team](#)

## Contributing or Reviewing Work Groups

- MnM

## FHIR Resource Development Project Insight ID

Whichever one FHIR works under

## Scope of coverage

To allow a client to create a push based subscription on a server so that they get notified of any resources that meet a particular criteria

this is a technical infrastructure resource not directly related to healthcare

- subject: N/A
- disciplines: N/A
- delivery: N/A
- Locale: N/A

## RIM scope

Not in scope of the RIM

## Resource appropriateness

- The API provides a pull based subscription service through the history operations.
- this works well, but is network intensive. It's fine for server:server interactions, but not suitable for client/server, especially if the client is a mobile one
- clients need to be able create, track and retire subscriptions
- There are 13 elements in the candidate resource. a few additional ones are under discussion

Other possible related resources

- Message Header - is used for exchanging resources using the messaging paradigm. If we define a protocol for push subscriptions using the messaging paradigm, it would use message header
- Query - the query resource specifies a query. This resource may or may not use the query resource for the actual query that expresses the subscription criteria

## Expected implementations

- most servers will need to implement this to support client based subscriptions

## Content sources

[\[Josh's original proposal\]](#): considered prior art

## Example Scenarios

- a client asks to be notified any time a new bilirubin result greater than some defined threshold is reported
- a client asks to be notified any time new information on a patient is provided

## Resource Relationships

- there are no anticipated relationships

## Timelines

- a draft has been defined
- implementation testing is ongoing
- this will be ready for QA/DSTU2

## gForge Users

Grahame/Core team