

## Study Resources and Actions

| Verb | Path  | Type                     | Description                              |
|------|---|--------------------------|--|
| POST | {s}/studies   | Store PS3.18<br>6.6.1    | Store instances                          |
| GET  | {s}/studies?...   | Query PS3.18<br>6.7.1    | Query for matching studies               |
| GET  | {s}/studies/{studyUID}  | Retrieve PS3.18<br>6.5.1 | Retrieve entire study                    |
| POST | {s}/studies/{studyUID}  | Store PS3.18<br>6.6.1    | Store instances                          |
| GET  | {s}/studies/{studyUID}/metadata   | Retrieve PS3.18<br>6.5.6 | Retrieve metadata                        |
| GET  | {s}/studies/{studyUID}/series?...   | Query PS3.18<br>6.7.1    | Query for matching series in a study     |
| GET  | {s}/studies/{studyUID}/series/{seriesUID}   | Retrieve PS3.18<br>6.5.2 | Retrieve entire series                   |
| GET  | {s}/studies/{studyUID}/series/{seriesUID}/metadata                                | Retrieve PS3.18<br>6.5.6 | Retrieve series metadata                 |
| GET  | {s}/studies/{studyUID}/series/{seriesUID}/instances?...                           | Query PS3.18<br>6.7.1    | Query for matching instances in a series |
| GET  | {s}/studies/{studyUID}/series/{seriesUID}/instances/{instanceUID}                 | Retrieve PS3.18<br>6.5.3 | Retrieve instance                        |
| GET  | {s}/studies/{studyUID}/series/{seriesUID}/instances/{instanceUID}/metadata        | Retrieve PS3.18<br>6.5.6 | Retrieve instance metadata               |
| GET  | {s}/studies/{studyUID}/series/{seriesUID}/instances/{instanceUID}/frames/{frames} | Retrieve PS3.18<br>6.5.4 | Retrieve frames in an instance           |
| GET  | /{bulkdataReference}  | Retrieve PS3.18<br>6.5.5 | Retrieve bulk data                       |

## More Information

See <http://dicomweb.org> and Part 18 of the DICOM Standard, <http://dicom.nema.org/standard.html>.



## Workflow Resources and Actions

| Verb   | Path  | Type             | Description                   |
|--------|---|------------------|-------------------------------|
| POST   | {s}/workitems<br>{?AffectedSOPInstanceUID}                              | PS3.18 6.9.1     | CreateUPS                     |
| POST   | {s}/workitems/{UPSInstanceUID}<br>{?transaction}                        | PS3.18 6.9.2     | UpdateUPS                     |
| GET    | {s}/workitems{?query*}  | PS3.18 6.9.3     | SearchForUPS                  |
| GET    | {s}/workitems/{UPSInstanceUID}  | PS3.18 6.9.4     | RetrieveUPS                   |
| PUT    | {s}/workitems/{UPSInstanceUID}/state                                    | PS3.18 6.9.5     | ChangeUPSState                |
| POST   | {s}/workitems/{UPSInstanceUID}/<br>cancelrequest                        | PS3.18 6.9.6     | RequestUPS<br>Cancellation    |
| POST   | {s}/workitems/{UPSInstanceUID}/<br>subscribers/{AETitle}{?deletionlock} | PS3.18 6.9.7     | CreateSubscription            |
| POST   | {s}/workitems/1.2.840.10008.5.1.4.34.5/                                 | PS3.18 6.9.8     | SuspendGlobal<br>Subscription |
| DELETE | {s}/workitems/{UPSInstanceUID}/<br>subscribers/{AETitle}                | PS3.18 6.9.9     | DeleteSubscription            |
| GET    | {s}/subscribers/{AETitle}   | PS3.18<br>6.9.10 | OpenEventChannel              |
| N/A    | N/A   | PS3.18<br>6.9.11 | SendEventReport               |

## Payloads

| XML  | JSON  |
|--|---|
| <pre>&lt;NativeDicomModel&gt;   &lt;DicomAttribute Tag="00080020" VR="DT" Keyword="StudyDate"&gt;     &lt;Value number="1"&gt;20130409&lt;/value&gt;   &lt;/DicomAttribute&gt;   &lt;DicomAttribute Tag="00080030" VR="TM" Keyword="StudyTime"&gt;     &lt;Value number="1"&gt;131600.0000&lt;/value&gt;   &lt;/DicomAttribute&gt;   ... &lt;/NativeDicomModel&gt;</pre> | <pre>{   "00080020": {     "vr": "DT",     "Value": ["20130409"]   },   "00080030": {     "vr": "TM",     "Value": ["131600.0000"]   },   ... }</pre> |

(these payloads are excerpts to show payload structure; these are not complete)