



Resource



Domain Resource

Name	Card.
DomainResource	
- 🌖 text	01
🏐 contained	0*
🔅 extension	0*
modifierExtension	0*

ce

Meta

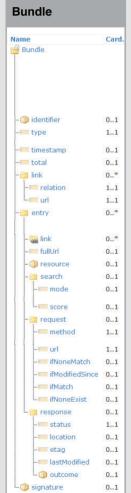
P	lame	Card.
B	Meta	
	u versionId	01
	- IastUpdated	01
	source	01
	- ☑ profile	0*
	🏐 security	0*
	🌖 tag	0*

Terminology Systems

SI	NOMED CT
ht	tp://snomed.info/sct
LC	DINC
ht	tp://loinc.org
	CUM
ht	tp://unitsofmeasure.org
Ve	ersion 2 table code
ht	tp://terminology.hl7.org/CodeSystem/v2-[X]
Ve	ersion 3 code system
ht	tp://terminology.hl7.org/CodeSystem/v3-[X]

MIME Types

JSON
application/fhir+json
XML
application/fhir+xml
RDF
application/fhir+turtle



Operations For more see:

https://hl7.org/fhir/operationslist.html

Validate a resource

[base]/[Resource]/\$validate
[base]/[Resource]/[id]/\$validate

Terminology operations

[base]/ValueSet/[id]/\$expand [base]/ValueSet/[id]/\$validate-code [base]/CodeSystem/\$lookup [base]/CodeSystem/[id]/\$subsumes [base]/CodeSystem/[id]/\$find-matches

Fetch records

[base]/Patient/[id]/\$everything

Meta Operations

[base]/\$meta [base]/[Resource]/\$meta [base]/[Resource]/[id]/\$meta-add [base]/[Resource]/[id]/\$meta-delete

Generate a Document

[base]/Composition/[id]/\$document

Process Message

[base]/\$process-message

Find a functional List

[base]/List/\$find

ConceptMap operations

[base]/ConceptMap/\$translate [base]/ConceptMap/[id]/\$translate

Closure Table Maintenance

[base]/\$closure

Questionnaire operations

[base]/StructureDefinition/\$questionnaire
[base]/StructureDefinition/[id]/
\$questionnaire

Interactions

Instance	•				
READ	GET	[base]/[type]/[id]			
VREAD	GET	[base]/[type]/[id]/_history/[vid]			
UPDATE	PUT	[base]/[type]/[id]			
DELETE	DELETE	[base]/[type]/[id]			
HISTORY	GET	[base]/[type]/[id]/_history			
Type level					
CREATE	POST	[base]/[type]			
SEARCH	GET	[base]/[type]?[parameters]			
HISTORY	GET	[base]/[type]/_history			
Whole System					
CAPABILITY		GET [base]/metadata			
BATCH TRANSACTION		POST [base]/			
HISTORY		GET [base]/_history			
SEARCH		GET [base]?[parameters]			
Conditional Interactions					
CREATE	1	If-None-Exist: [search parameters] No matches: Create 1 match: 200 OK Multi matches: 412 Precondition Failed			
UPDATE	i	[base-url] /[type]/?[search parameters] No matches: Create 1 match: Update Multi matches: 412 Precondition Failed			
DELETE	i	[base-url] /[type]/?[search parameters] No matched: Delete 1 match: Delete Multi matches: Depends on server			

Comparators for Search

<pre>[parameter]=100 [parameter]=100.00 [parameter]=1t100</pre>	equal 100 in range [99.5100.5] equal 100 in range [99.995100.005] less than 100
[parameter]=1t100 [parameter]=le100 [parameter]=gt100	less or equal to 100 greater than 100
[parameter]=ge100 [parameter]=ne100	greater or equal to 100 not equal to 100

Search

Parameter Types

Base search URL base-url / resource ? parameter & parameter &

https://server.fire.ly/Patient?name=john

number field (:modifier)=(comparator)number

length=27

date field (:modifier) = comparator yyyy-mm-ddThh:mm:ss[ZI(+I-)hh:mm]

birthdate=1964-12-10

string field (:modifier) = text

name=John

name:exact=John-William

token field = system I code

gender=female

gender=http://hl7.org/fhir/v3/AdministrativeGender|female

gender=|female

Reference field (:modifier) = id

subject:Patient=23

Quantity field = (comparator) number I system I code

value=5.4|http://unitsofmeasure.org|mg
value=lt5.4|http://unitsofmeasure.org|mg

Composite field = value, value

state-on-date=new\$2013-05-04,active\$2013-05-05

ri field (:modifier) = uri

uri:below=http://acme.org/fhir/

Parameters for all resources

id _id=23

lastUpdated lastUpdated=gt2010-10-01

tag tag=http://acme.org/codes|needs-review

field = state\$value.state\$value

_text _text=(bone OR liver) and metastases

_content _content=(bone OR liver) and metastases

list list=42

has has:Observation:patient:code=1234-5

type type=Observation,Condition

_0120 02001/401011/00141010

Search result parameters

_include __include=MedicationPrescription:patient _revinclude __revinclude=Provenance:target _count __count=50 sort sort=status,-date,category

total total=estimate

_summary _summary=true | text | data | count | false

Chained parameters

GET [base-url]/DiagnosticReport?subject.name=peter