STAC 0.7.0 Model

catalog

link:rel=root (0..1)
link:rel=self (1..1)

stac_version
id
title
description

link:rel=parent (0..1)
link:rel=child (0..*)

item

link:rel=self (1..1)

link:rel=root (0..1)

id
type
bbox
collection

link:rel=item (0..*)

link:rel=parent (0..1)

link:rel=derived_from (0..*)

link:rel=collection (0..1)

links
0..*

collection

keywords
version
license
properties

links
0..*

geometry

type
coordinates

links
0..*

link:rel=
derived_from (0..*)

link

rel
href
type
title

assets
0..*

properties

datetime
title
<standard extensions>
<nonstandard extensions>

Only extensions at
the maturity level of
pilot or above are
included here.

eo extension

eo:platform
eo:gsd
eo:constellation
eo:instrument
eo:epsg
eo:cloud_cover
eo:off_nadir
eo:azimuth
eo:sun_azimuth
eo:sun_elevation

providers
0..*

extent

spatial
temporal

asset

href
type
title

eo:bands
1..*

provider

name
url
role

eo:band

name
common_name
gsd
accuracy
center_wavelength
full_width_half_max