

HPDE Assets

(SPASE, Metadata, IHDEA, HAPI)

Revised: 2021-Jul-29

Web sites:

spase-group.org

Host location: Github.com
Host platform: Static pages
Domain Registration: domain.com under Todd's account
Domain Expiration: 2026-07-07
Source location: <https://github.com/spase-group/website>
Build process: Run "grunt" in home directory, folder "docs" shared to github.io.
Administrator: Todd
Site Role: All information about SPASE, location of information model spec.

ihdea.net

Host location: Github.com
Host platform: Static pages
Domain Registration: domain.com under Todd's account
Domain Expiration: 2023-10-20
Source location: <https://github.com/IHDE-Alliance/ihde-alliance.github.io>
Build process: Repo shared to github.io.
Administrator: Todd
Site Role: All information about IHDEA.

spase.info (Deprecated - no longer maintained)

Host location: UCLA/IGPP
Host platform: Tomcat 7 on metal
Domain Registration: joker.com. I think Ed Bell created the original registration.
Domain Expiration: 2023-09-14
Source location: <https://github.com/IHDE-Alliance/ihde-alliance.github.io>
Administrator: Todd
Site Role: Public registry of SPASE metadata and landing pages for DOI.

hpde.io

Host location: Github.com
Host platform: Static pages
Domain Registration: domain.com under Todd's account
Domain Expiration: 2025-06-24
Source location: <https://github.com/hpde/hpde.io>
Build process: Repo shared to github.io. Pages generated with the tools in <https://github.com/spase-group/spase-generate-pages>
Administrator: Todd
Site Role: Public registry of SPASE metadata and landing pages for DOI.

Hapi-server.org
Host location: Github.com
Host platform: Static pages
Domain Registration: godaddy.com. I think Jeremy Faden created the original registration.
Domain Expiration: 2024-05-16
Source location: <https://github.com/hapi-server>
Administrator: Jon/Jeremy
Site Role: All information about HAPI server spec.

Mailing lists

hapi-dev
Host location: groups.io
URL location: <https://groups.io/g/hapi-dev/topics>
Administrator: Todd
List Role: Information related to the development of the HAPI spec.

hapi-news
Host location: groups.io
URL location: <https://groups.io/g/hapi-news/topics>
Administrator: Todd
List Role: Public announcements.

hpde-repo
Host location: groups.io
URL location: <https://groups.io/g/hpde-repo/topics>
Administrator: Todd
List Role: Information from GitHub actions performed on repos.

ihdea-dev
Host location: groups.io
URL location: <https://groups.io/g/ihdea-dev/topics>
Administrator: Todd
List Role: Information related to IHDEA development.

ihdea-executive
Host location: groups.io
URL location: <https://groups.io/g/ihdea-executive/topics>
Administrator: Todd
List Role: Notices and discussion for the IHDEA executive board.

ihdea-member
Host location: groups.io
URL location: <https://groups.io/g/ihdea-member/topics>
Administrator: Todd
List Role: Notices for IHDEA members.

ihdea-news

Host location: groups.io
URL location: <https://groups.io/g/ihdea-news/topics>
Administrator: Todd
List Role: Public announcements.

spase

Host location: groups.io
URL location: <https://groups.io/g/spase/topics>
Administrator: Todd
List Role: Information related to the development of the SPASE information model.

SPASE web tools

Validator

URL location: <http://spase-group.org/tools/validate/>
Host platform: Tomcat 7 on metal
Language: Java and JSP
Source location: <https://github.com/spase-group/registry-services>
Administrator: Todd

Model spec document generator

Host platform: Command line (Windows or Linux)
Language: Node.js
Source location: <https://github.com/spase-group/spase-model-tools-node>
Administrator: Todd

Model spec document generator (deprecated)

Host platform: Command line (Windows or Linux)
Language: Java and SQL
Source location: <https://github.com/spase-group/spase-model-tools>
Administrator: Todd

Metadata editor (SMWT)

URL location: <http://spase-group.org/tools/validate/>
Host platform: LAMP web server in a container.
Language: HTML/Javascript and PHP
Source location: IGPP internal Gitlab (git.igpp.ucla.edu/spase/xmleditor)
Administrator: Todd

Schema (Deprected)

URL location: <http://spase-group.org/tools/model/schema/>
Host platform: Tomcat 7 on metal
Language: XML Schema
Source location: IGPP internal Gitlab (git.igpp.ucla.edu/spase/website2)
Administrator: Todd

Registry explorer (Deprecated)

URL location: <http://spase-group.org/smwg/explorer/> (tree)
<http://spase-group.org/registry/explorer/> (tree)
<http://spase.info> (responsive and landing pages)
Host platform: Tomcat 7 on metal
Language: Java
Source location: <https://github.com/spase-group/registry-services>
Administrator: Todd

SPASE School (put in SPASE editor context? Rethink? Videos?)

URL location: <http://spase-group.org/school/>
Host platform: HTML/Javascript static pages
Language: XML Schema
Source location: <https://github.com/spase-group/spase-school>
Administrator: Todd

NPM packages

spase-resource-tools

Description: Tools to validate and scan SPASE metadata.
Install: npm install -g spase-resource-tools
Administrator: Todd
Contents:

spase-collate : Separate each SPASE resource description in a file into a separate file stored in a folder tree according to the Resource ID.

spase-refcheck : Check resource identifiers and URLs for referential integrity.

spase-validate : Validate a SPASE resource description using a specified version of the data dictionary (XML schema).

spase-tree : List the file tree. Optionally list only files with a given extension.

spase-update-authority : Change the control authority in the ResourceID, add a PriorID and update ReleaseDate.

spase-doi-ref : Extract reference information in CSV format from a SPASE resource description.

spase-doi-request : Extract information from a SPASE resource description and generate a DataCite formatted DOI request that can be submitted through EZID web service API.

spase-list-elem : List an element value in an XML document.

spase-restamp : Update the to the current data and time.

spase-pretty : Make a pretty XML file by formatting the XML file with indentation and wrapping.

spase-transform : Transform a SPASE description in XML using an XML Stylesheet.

spase-model-tools

Description: Tools to generate information model PDF, JSON and XSD files.

Install: npm install -g spase-model-tools

Administrator: Todd

Contents:

spase-model-xsd : Generate the XML schema document to match the information model specification.

spase-model-json : Generate the JSON data files to match the information model specification.

spase-model-pdf : Generate PDF documentation for the information model.

Documents (Conventions)

Source Location: Todd's desktop. PDF versions included in SPASE website repository.

Parameter Key Formation for Plain Text Data

Describes Parameter Key formation rules for describing simple tabular plain text files.

Data Model Version Numbers

Describes how versions numbers are assigned to each instance of the SPASE Data Model.

Resource ID Formation Rule

A common convention for the formation of resource identifiers used in a SPASE resource description.

Text Normalization and Mark-up

Describe how to normalize and mark-up text in a SPASE resource description to define a desired layout or format.

Heliophysics Event List (Catalogue) Format

Describes the Heliophysics Event List format which is a plain text data format with metadata embedded in comments.

Model Specification

HTML

<http://spase-group.org/data/model/>

Source: Generated and bundled in web site repository

PDF

<http://spase-group.org/docs/dictionary/>

Source: Generated and bundled in web site repository

Social Media Accounts

Youtube: spase@igpp.ucla.edu

Google: spase@igpp.ucla.edu

Twitter: [spase@igpp.ucla.edu](https://twitter.com/spase@igpp.ucla.edu)

Github Organizations/Repositories



IHDEA-Alliance

International Heliophysics Data Environment Alliance

Owner: Todd

[ihde-alliance.github.io](https://github.com/ihdea-alliance/ihde-alliance.github.io)

IHDEA website

JavaScript  Apache-2.0  0  0  0  0 Updated on Mar 26



HAPI

Heliophysics Application Programmer's Interface (HAPI) specification for a set of services to enable access to data and metadata.

Owner: Todd

[client-python](https://github.com/ihdea-alliance/client-python)

Python client for HAPI

Python  BSD-3-Clause  3  7  2  0 Updated 6 days ago

[server-nodejs](https://github.com/ihdea-alliance/server-nodejs)

General-use HAPI server front-end implemented in node.js.

JavaScript  MIT  0  0  3  1 Updated 6 days ago






[plotserver-python](https://github.com/ihdea-alliance/plotserver-python)

Serve plots from a HAPI server using the hapiplot function in <http://github.com/hapi-server/client-python>

Python  BSD-3-Clause  0  0  0  0 Updated 7 days ago



verifier-nodejs

HAPI Server Verifier using node.js and JSON Schema

JavaScript  MIT  1  0  1  1 Updated 7 days ago

client-java

Java client for accessing HAPI servers.

Java  0  0  1  0 Updated 9 days ago





client-matlab

MATLAB client for accessing HAPI data

MATLAB  0  0  0  0 Updated 17 days ago

hapi-server.github.io

dedicated repo with specific name required for holding GitHub pages

CSS  0  1  0  0 Updated on Apr 27

data-specification

HAPI Data Access Specification

 4  8  15  0 Updated on Apr 27

servers

Catalogs of known HAPI servers

 1  0  1  0 Updated on Aug 26, 2019


client-python-notebooks

Demonstration notebooks for the client-python project

Jupyter Notebook  0  0  0  0 Updated on May 21, 2019

cache-tools

A collection of tools for reading, writing, and managing a cache of HAPI responses

Python  0  0  0  0 Updated on May 7, 2019

uri-templates

Repository of tools for URI templates





 0  0  1  0 Updated on May 1, 2019

client-javascript

A HAPI client implemented in Javascript

server-python

simple server written in Python, to support Raspberry Pi

Python  0  0  0  0 Updated on Jun 5, 2018

client-idl

IDL client for obtaining data from a HAPI server

IDL  0  0  0  0 Updated on Dec 6, 2017

verifier-java

Java code for verifying HAPI servers

Java  0  0  0  0 Updated on Aug 14, 2017



hpde

Heliophysics Data Environment (HPDE) Metadata

Owner: Jan Merka with Todd as an admin

Deprecated

Resource descriptions that have been superseded.

ASWS

SPASE resource descriptions with ASWS naming authority.

CSSDP

SPASE resource descriptions with CSSDP naming authority.

CCMC

SPASE resource descriptions with CCMC naming authority.

CNES

SPASE resource descriptions with CNES naming authority.

DLR

SPASE resource descriptions with the Deutsches Zentrum für Luft- und Raumfahrt (DLR) naming authority.

ESA

SPASE resource descriptions with ESA naming authority.

FMI

Finish Meteorological Institute

GBO

SPASE descriptions from Ground Based Observatory.

JAXA

SPASE resource descriptions with JAXA naming authority.

INAF

SPASE resource descriptions with INAF naming authority.

ISWI

SPASE resource descriptions with ISWI naming authority.

NASA

SPASE resource descriptions with the NASA naming authority.

NOAA

Resource descriptions with NOAA IDs in SPASE metadata format

NSF

SPASE resource descriptions with NSF naming authority.

SMWG

SPASE resource descriptions with SMWG naming authority.

Quarantined

Resource descriptions that have broken links to data which its location has become unknown.

documents (private)

HPDE specifications, recommendations and related documents.

website

HPDE website

HTML  Apache-2.0  0  0  0  0 Updated on Nov 19, 2018

spase-VWO Archived

Heliophysics resource descriptions with VWO IDs in SPASE metadata format

 0  0  0  0 Updated on Aug 13, 2018

spase-VMO Archived

Heliophysics resource descriptions with VMO IDs in SPASE metadata format

 0  0  0  0 Updated on Aug 13, 2018

spase-ViRBO Archived

Heliophysics resource descriptions with ViRBO IDs in SPASE metadata format

 0  0  0  0 Updated on Aug 13, 2018

spase-VHO Archived

Heliophysics resource descriptions with VHO IDs in SPASE metadata format

 0  0  0  0 Updated on Aug 13, 2018

spase-VEPO Archived

Heliophysics resource descriptions with VEPO IDs in SPASE metadata format

 0  0  0  0 Updated on Aug 13, 2018

spase-VITMO Archived

Heliophysics resource descriptions with VITMO IDs in SPASE metadata format

 0  0  0  0 Updated on Jan 18, 2018

spase-VSPO Archived

SPASE resource descriptions with VSPO naming authority.

 0  0  0  0 Updated on Jul 23, 2020



spase-group

Space Physics Archive Search and Extract (SPASE) specifications, software and tools.

Owner: Todd

resource-tools-node

A collection of tools for working with SPASE resource descriptions.

JavaScript  Apache-2.0  0  0  0  1 Updated on Nov 2, 2019

spase-model-tools

Tools to generate usable expressions (i.e. XSD) of a data model specification.

Java  0  0  0  0 Updated on Oct 10, 2019

spase-base-model

Specification for the SPASE base information model.

TSQL  Apache-2.0  0  0  0  0 Updated on Oct 2, 2019

spase-sim-model

Simulation extensions to the SPASE information model.

TSQL  Apache-2.0  0  0  0  0 Updated on Sep 26, 2019

registry-services

Servlets to provide a SPASE compliant registry services packaged as a deployable web application.

Java  1  1  0  0 Updated on Mar 3, 2016

resource-tools

Collection of tools for procesisng and using SPASE description and SPASE services.

Java  0  1  0  0 Updated on Feb 10, 2016
