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Reference Documentation 0.9.1

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Krister Kittelson (https://autocare.communifire.com/people/krister-kittelson) 🟧🟧🟧🟧   ⋮
1/29/2021

Hello, All,

This is going to be the working thread for changes to the reference documentation as we approach 1.0. For 0.9.1 I'm going to try posting more frequent revision, even if broken, so that the newer versions are up for commentary.

For this first round of changes I've fixed numerous technical errors and inconsistencies, and started to fill in an "Attributes" table in each object section that will tie together the reference documentation, plan document, and API implementation. Some tables are empty.

I have added an appendix with allowed slice type values. I just filled this in from memory and I'm pretty sure it's not right.. Also added the new "binary-blob" slice type that we agreed on, though I haven't talked about it in the documentation yet -- in particular we agreed that the blob should only be a Level 1 attribute to prevent the server or client from ever trying to parse the data in any way. This will send the right message, at least for now, that binary is allowed because it has to be for businesses to send spreadsheets, but that this kind of data is not standardized and thus not granular.

I also added a section for the API in the main body of the text. I added a paragraph that lays out why Level 1 & 2 are JWT / REST based and Level 3+ is Websocket based.

Future updates will be smaller, this was the result of a bit of work and reorganization.

👍 Like

Reply (/forums/post?tid=6343&ReplyPostID=6344&SpaceID=127)

Doug Winsby (https://autocare.communifire.com/people/dougwinsby) 🟧🟧🟧🟧🟧

⋮

1/31/2021

Nice job Krister. Looks like a lot of good work here.

I haven't had a chance to read all 31 pages yet, but just skimming through I noticed one small thing that might warrant further discussion.

Appendix A (page 23) defines "Slice Type" values. Some of these are plural representing "Multiple" entries (e.g. "aces-apps", "pies-items", "asset-files"). I would argue against having more than one of something (unless in our L1 "file-based" objects, although that is really just one "file").

I can't really think of a case where we would need to combine more than one of something instead of handling them separately. It would be the responsibility of the "granulator" to take a higher-level object and split it up for delivery.

multiples (/spaces/127/sandpiper/searchresults?keyword=%22multiples%22&searchtags=1)

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Reply (/forums/post?tid=6343&ReplyPostID=6350&SpaceID=127)   Answer

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Luke Smith (https://autocare.communifire.com/people/autopartsource) 🟧🟧🟧⬜⬜

⋮

1/31/2021

Doug, your logic is strong. I agree.

On a tangentially-related note: I think asset grains will prove to be the "gateway drug" into level-2. Thousands of individual photos for a product line could be handled as a collection of full-file grains without having to give any thought to grain keys and re-assembly/re-integration the way ACES or PIES data would. Using Sandpiper to publish several slices full of thousands of photos would be functionally equivalent to using Rsync.

👍 Like

Answer

Krister Kittelson (https://autocare.communifire.com/people/krister-kittelson) ⬛⬛⬛⬛
2/4/2021

⋮

> **On 1/31/2021 10:52 AM, Doug Winsby said:**
>
> I can't really think of a case where we would need to combine more than one of something instead of handling them separately. It would be the responsibility of the "granulator" to take a higher-level object and split it up for delivery.

Hello, Doug,

I agree, the entries marked "2+" for the level indicate that these are level 2 and higher, and my intent was that this would mean these are fully granulated slices. aces-file means "one single ACES XML file". aces-files doesn't exist because this is not a granulation.. same with pies-file.

The Sandpiper framework outlines these slices but it's up to the PIM or a granulator to populate them..

👍 Like

Answer

Krister Kittelson (https://autocare.communifire.com/people/krister-kittelson) ⬛⬛⬛⬛
2/5/2021

⋮

Attached is an updated PDF. The changes:

- Subscription attributes filled out. Included minimum period frequency attribute and guidance for its use (re: system load limits as discussed last week)

- Adjust use of "protocol" to be "API" when referring to Level 1/2

- Detailed description of authentication and negotiation, with examples and attributes

- In the slice types, removed "single" and "Multiple" terms, in an attempt to be less confusing re: doug's suggestion above

- Added partspro app and NAPA interchange slice types

- Added four slice types to give sandpiper the ability to host generic data outside auto care and NAPA:

  - xml-file: Level 1: generic XML file

  - xml-elements: Level 2+: XML elements with the same name

  - text-file: Level 1: generic text file

  - text-rows: Level2+: generic rows of text data

📎 **Attachments**

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Krister Kittelson (https://autocare.communifire.com/people/krister-kittelson) 🔶🔶🔶🔶◻   ⋮
2/5/2021

Another quick revision correcting some things around the authentication JSON (plan doc is not required) and reorganizing so I can better fill out the JWT information.

📎 **Attachments**

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Krister Kittelson (https://autocare.communifire.com/people/krister-kittelson) 🔶🔶🔶🔶◻   ⋮
3/4/2021

Revision that removes some of the slice types I added a while back that would be problematic at level 2 +. Also more details and information gleaned from writing a quick sketch of a sandpiper client in python against Luke's online instance.

📎 **Attachments**

👍 Like

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