

RPM Support - Story #8741

Full support for "static_context" in modulemd documents

05/13/2021 03:13 AM - dalley

Status:	ASSIGNED	Start date:	
Priority:	Normal	Due date:	
Assignee:	ggainey	% Done:	0%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:		Tags:	
Platform Release:		Sprint:	Sprint 108
Groomed:	Yes	Quarter:	Q4-2021
Sprint Candidate:	No		

Description

In libmodulemd, it is planned to introduce an extension to version 2 of modulemd documents which differ slightly from the current v2. A new, optional field is added, called "static_context", described thusly:

```
# context:
# Module context flag
# The context flag serves to distinguish module builds with the
# same name, stream and version and plays an important role in
# automatic module stream name expansion.
#
# If 'static_context' is unset or equal to FALSE:
#   Filled in by the buildsystem. A short hash of the module's name,
#   stream, version and its expanded runtime dependencies. The exact
#   mechanism for generating the hash is unspecified.
#
#   Type: AUTOMATIC
#
#   Mandatory for module metadata in a yum/dnf repository.
#
# If 'static_context' is set to True:
#   The context flag is a string of up to thirteen [a-zA-Z0-9_] characters
#   representing a build and runtime configuration for this stream. This
#   string is arbitrary but must be unique in this module stream.
#
#   Type: MANDATORY
static_context: false
context: c0ffee43
```

Source:

<https://github.com/fedora-modularity/libmodulemd/commit/2000e88d48a7b8d9fba1f7866d3709035dd2b957#diff-f693f5c1bd57e7782999ed7d59a4e2cdb1548c6d5e2e4663265f2165a949effeR81-R96>

(see that commit also for document examples, and the names of libmodulemd functions)

See also:

<https://github.com/fedora-modularity/libmodulemd/commit/0132015b5729b6077d49fc5beb2c662a563c6e6d#diff-f693f5c1bd57e7782999ed7d59a4e2cdb1548c6d5e2e4663265f2165a949effe>

Basic support is added in a previous issue (linked).

For full support, we need to analyze the impacts of this new flag on dependency solving, and ensure that we do the correct thing, and potentially implement the new behavior

Related issues:

Copied from RPM Support - Story #8638: Basic support for "static_context" in ...

CLOSED - CURRENTRELEASE

History

#1 - 05/13/2021 03:13 AM - dalley

- Copied from Story #8638: Basic support for "static_context" in modulemd documents added

#2 - 05/14/2021 05:34 PM - rchan

- Sprint changed from Sprint 96 to Sprint 97

#3 - 06/02/2021 06:02 PM - rchan

- Sprint changed from Sprint 97 to Sprint 98

#4 - 06/16/2021 09:38 PM - dalley

- Quarter set to Q3-2021

#5 - 06/17/2021 10:11 PM - rchan

- Sprint changed from Sprint 98 to Sprint 99

#6 - 07/02/2021 09:23 PM - rchan

- Sprint changed from Sprint 99 to Sprint 100

#7 - 07/15/2021 11:08 PM - rchan

- Sprint changed from Sprint 100 to Sprint 101

#8 - 08/02/2021 07:43 PM - ipanova@redhat.com

- Sprint changed from Sprint 101 to Sprint 102

#9 - 08/12/2021 05:23 PM - rchan

- Sprint changed from Sprint 102 to Sprint 103

#10 - 08/27/2021 05:08 PM - rchan

- Sprint changed from Sprint 103 to Sprint 104

#11 - 09/02/2021 05:21 PM - dalley

- Sprint deleted (Sprint 104)

- Quarter changed from Q3-2021 to Q4-2021

#12 - 10/21/2021 05:25 PM - dalley

- Sprint set to Sprint 108

#13 - 10/21/2021 05:26 PM - ggainey

- Status changed from NEW to ASSIGNED

- Assignee set to ggainey