

nfsv4wg Milestone Review

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WG Meeting at IETF 102

July 16, 2018

Current Milestones

Slide One of Two

Item	Type	Goal	Owner	Target	Status
Migration Issues	Inf.	WGLC	D. Noveck	6/2018	Expected by 8/2018.
NVMe for pNFS	Std.	Final Doc.	C. Hellwig	6/2018	NVMe Slides
NFSv4.0 Trunking Discovery	Std.	Final Doc.	C. Lever	11/2018	On Track.
NFSv4.1 Trunking Discovery	Std.	Final Doc.	D. Noveck	3/2019	On Track (as one document)
NFSv4.1 Transparent State Migration	Std.	Final Doc.	D. Noveck	3/2019	

Current Milestones

Slide Two of Two

Item	Type	Goal	Owner	Target	Status
CM Private Data	Inf.	Final Doc.	C. Lever	6/2019	On track (Need WG Doc by 12/2018)
RDMA Layout for pNFS	Std.	Final Doc.	C. Hellwig	9/2019	RDMA Layout Slides
RPC-over-RDMA, Version 2	Std.	Final Doc.	C. Lever	12/2019	On Track (Need WG Doc by 3/2019)

Potential Added Milestones

With Target Dates Before 8/2020 (Two-year window)

- Needed:
 - An owner
 - A target date
 - A preliminary document (can be an I-D).
 - Working group interest
- Some possibilities:
 - Draft-ietf-nfsv4-integrity-measurement
 - Other descendants of draft-cel-nfsv4-linux-seclabel-xtensions?
 - Descendant(s) of draft-haynes-nfsv4-delstid?
 - Flexible files v2?
 - Does anyone know of others?

NVMe for pNFS

Current Status, Expectations, and Work Needed

- Current status:
 - Existing I-D expired with no progress beyond what was discussed at IETF 99.
 - Current target date has gone by.
- Expectations for progress:
 - Author appears interested in working on this. ↑
 - Author has not provided a new target date. ↓
- Work needed on document:
 - Implement changes discussed at IETF 99.
 - Convert to working group document
 - Working group review and discussion, including WGLC

NVMe for pNFS

Possible Actions

- Possible actions regarding current milestone:
 - Remove from milestone list.
 - Leave on list with a TBD date until author can provide one.
- Other possible actions in this area:
 - Consider whether a more limited, easily achievable milestone (e.g. an informational document) could be put on milestone list.
 - See if it is possible to accelerate progress, adding an editor or co-authors to the effort.

pNFS RDMA Layout

Current Status and Expectations

- Current Status
 - No active document (either I-D or WG document)
 - There has been some prototyping work based on the original expired document.
- Expectations for progress
 - Prototype work has raised additional issues that may need to be addressed in this document. ↓
 - Author still interested in working in this area. ↑
 - Existing target date (9/2019) for final document submission still in effect ↔ .
 - Need to consider how realistic that date is (see [Next Slide](#))
 - Needed work on NVMe document is a potential complicating factor. ↓

pNFS RDMA Layout

Issues/Actions Regarding Milestone Target Date

- Need to consider plausibility of current target date, in light of:
 - Lack of progress since IETF 99.
 - Author's lack of communication with the working group.
- Need to determine work needed for completion and assess:
 - Whether work was at such an early stage that assigning milestones was done in a vacuum, over-optimistically.
 - Whether we know enough to assign a new milestone target date now.
 - Whether we can arrive at a new target date that fits within our two-year window.
- Possible actions regarding milestone list:
 - Remove from milestone list (with continued WG interest)
 - Retarget document to a later date, if one can be arrived at

pNFS RDMA Layout

Other Actions to Consider

- Look at other ways to get progress in this area:
 - Is there interest in a more general document in this area, such as a requirements document?
 - Could additional authors help make progress?
 - Are there useful ways to encourage further prototyping?
- May need to have further working group discussion of this area:
 - Need to assess level of working group interest.
 - Discussion of our options regarding work on this layout type.
 - Might require something beyond email discussion, either at IETF 103, an interim meeting, or a conference call.