

New



Feature Maturity Lifecycle (FML) and Documentation

Proposal @

<http://lists.xenproject.org/archives/html/xen-devel/2015-11/msg00609.html>

FML Requirements

		Implemented	Maintained	Tested	Stable	Documented
Preview	Part					
Experimental	Core					
Complete (New)	Full	Yes	Yes	Yes	Yes	
Supported (New)	Full	Yes	Yes	Yes	Yes	
Supported-Legacy-Stable	Full	Yes			Yes	

FML Effects

	Bugs	Critical bugs block release	Security Support
Preview	Dev*	No	No
Experimental	Dev*	No	No
Complete (New)	Dev*	No**	No
Supported (New)	Yes	Yes	Yes
Supported-Legacy-Stable	Yes	Yes	Yes

This is a state which has not existed in the past. It is aimed at larger new features, which may only be in use or of interest to a small number of contributors, or where not enough expertise exists in the community to treat the feature as Supported.

*) At developer(s) discretion

***) At Release Managers discretion

FML Goals

Complete is aimed at non-core use-cases

- Defuse tensions for non-core features
- Cover for the case where we lose the capability to support

Supported requires automated testing or manual testing during RC phase (otherwise it may be downgraded to Complete)

Supported-Legacy-Stable accounts for the fact that many features that existed for a long time, may not be documented or automatically tested

- Phase out over time

FML Status (Nov 26, 2015)

Too many similar states

- Need to simplify

Some Open Questions

- Templates and Exact Format of Feature Status
- Location of files
- How to handle legacy

Treating Designs Reviews like Code Reviews

Traditionally we treated designs review different to code reviews

- Using PDFs and Text Designs on xen-devel@
- **Issues:** Agreements and changes are not tracked

Emerging Alternative

- Post designs as patches in xen.git @ docs/... folders
- Example: xen.git @ docs/misc/xsplice.markup with discussion at lists.xen.org/archives/html/xen-devel/2015-11/msg00244.html
- Using pandoc markdown language and templates (see pandoc.org/README.html#pandocs-markdown)
- **Advantages:**
 1. ACKs are tracked → It is clear who agreed with the design
 2. Design evolves with the code → Change the design doc with patches (include into series)
 3. Easy to read and write → Can generate html, pdf's, etc.