## Release Engineering Tech Debt Analysis - Overview - Software

	Level of use	Active maintainers		Code quality (coding standards, testability, refactorability, inline/API docs, etc.)	End-user doc	Release/ deployment process	Test coverage	Test environment	Configuration management		Monitoring	Troubleshooting
Software	Rank (0-5) 0 = almost no one 5 = just about everyone	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best
Gerrit	5	2	N/A	3	5	2	0	1	4	0	2	3
Phabricator	5	1	N/A	4	4	2		1		2	2	2
Github mirroring (Phab+Gerrit)	5	2	4	N/A	3	1	N/A	0	4	4	0	1
scap v2	3	3	3	3	3	4	5	2	2	4	3	5
scap v3	3	3	3	3	4	1	5	4	2	2	3	5
trebuchet	3	4	2	2	3	2	0	4		1		2
WMF MW release tooling	2	3		1			0	0				
MediaWiki third party release tooling	2	1	1	3	2	0	1	0	3	0	0	0
Localization update	5	0	0	1	1	1	0	0		0	0	0
mediawiki_seleni um ruby gem	3	1	5	4	2	4	5	4	N/A	N/A	N/A	2
mediawiki_api ruby gem	2	1	5	4	1	4	3	4	N/A	N/A	N/A	3
Malu	1	1	3	4	0	4	3		N/A	N/A	N/A	4
MediaWiki/core browser tests	2	1	4	4	2	4	N/A	3	N/A	N/A	3	2
Jenkins	5	3	4	4	3	2	2	0	4	0	2	3
Jenkins Job Builder	3	4	5	5	5	3	1	4	5	N/A	N/A	2
Zuul	1	3	3	2	4	3	3	0	4	0	3	3
Nodepool	0	1	3	2	3	3	0	0	4	0	2	3
MediaWiki- Vagrant	5	2	1	3	3	4	2	0	N/A	N/A	N/A	2
Beta Cluster code and db updaters	5	2	1	2	1	4	0	0	4	0	3	4
Zend PHP 5.3	1	1										

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Meta (applies to all of the above)												

## Release Engineering Tech Debt Analysis - Overview - Services

	Fault tolerance	Documentation	Bus factor # of active maintainers	Minimum level of service (how does a service fail?)	Dependencies on other teams / upstreams (does an external dependency currently impede this process?)	Complexity of the process (Users and us maintaining)	Safety of the process	How automated is a process
Services (not directly software)	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best	Rank (0-5) 0 = worst 5 = best
SWAT deployments		3	5		3	3	2	2
Train deployments		4	5		4	3	2	3
Wikimedia deployments	1		1		3	1	3	0
(deploy calendar, release blockers, etc)								
Code Review								
Unit test feedback								
Browser test feedback								
Beta Cluster feedback								
CI config changes								
(eg: self-serve CI)								
integration/config Later: meta tags in Phabricator								
MW 3rd party (security) releases	N/A	1	1	N/A	3	0	0	1
scap3 migration support		4	3		1	3	4	3
Patrolling production MW log errors	N/A	0	1	N/A	3	2	N/A	1
CI sysadmin'ing		2	2	1	3	3	3	
(gallium migration, upgrades, nodepool images, etc)								
Beta Cluster sysadmin'ing		2	2	2	2	3	3	3
(migrate db's to Jessie)								
Coverage reports and doc generation	3	3	3	3	3	1	2	5
(doc.wikimedia.org)								
Code review office hours								

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Repository administration (Phab+Gerrit)	N/A	3	2	N/A	5	2	3	1	