

Guilin Risks

This centralized page, for all Guilin projects, is aimed at identifying the risks as they are foreseen within the release life cycle.

A Risk that materialized becomes an Issue.

Status:

- Identified: a risk that has been identified, but has not yet been analyzed / assessed yet
- Assessed: an identified risk which currently has no risk response plan
- Planned: an identified risk with a risk response plan
- In-Process: a risk where the risk response is being executed
- Closed: a risk that occurred and is transferred to an issue or the risk was solved/avoided
- Not occurred: a risk that was identified but that did not occur
- Rejected: created and kept for tracking purposes but considered not to be used yet

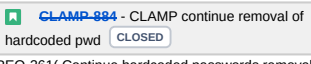
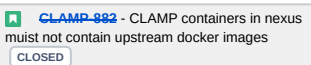
Risk ID	Project Team or person identifying the risk	Identification Date	Risk (Description and potential impact)	Team or component impacted by the risk	Mitigation Plan (Action to prevent the risk to materialize)	Contingency Plan - Response Plan (Action in case of the risk materialized)	Probability of occurrence (probability of the risk materialized) High /Medium /Low	Impact High /Medium /Low	Status
1	ESR	July 1st 2020	The REQ-341 has dependency on ESR for updating the K8s cluster information.	REQ-341	To have the friends from Aarna network to help us in this functionality.	In case ESR does not make it to Guilin, we will use the postman for updating the AAi with the details	High	Med	In progress.
2	SDC	July 6th 2020	The REQ-349 - Coverage of 55%	SDC	Minimize impact of changes to limit breakage of coverage metrics	will request an exception for Guilin	High	Low	Current metrics are at 54.8%, some sonar metrics do not show up on main page but are visible in details. In Progress for improvements Update 9/4 decrease in coverage happened due to many new features coming with less coverage, hard to identify before merge has sonar results are only visible after code is merged Update 9/9 latest metrics shows we are good, above 55% line coverage for all SDC projects Risk CLOSED

3	SDC	July 6th 2020 Updated Oct 5	REQ 351 - Migration to Java 11	SDC	Try to get commitments from more companies to help on finishing the migration try to still do the upgrade and validate if Janus works upgrade only a subset of containers (the ones not using Janus	will request an exception for Guilin	High Low	Med Low	Migration to Java 11 is well under way on main SDC project, still the complexity of project implies that there are several unknowns in completing this change Updated 8 /18 It has been identified that Janusgraph (the client lib used by SDC for the graph DB over Cassandra) is NOT compatible with java8 (due to the lack of support of one of its dep : apache /tinkerpop) It is very likely now that SDC will not support java8 fully due to this in guilin Updated 9 /9 We've been able to build JAVA 11 docker images, we will be trying them during pairwise, will revert if we find anything that is related to the Janusgraph incompatibility, so far nothing broke... Lowering probability of occurrence STATUS : In Progress Updated 10/5
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									We have not noticed any negative effect of Java11 on JanusGraph behavior, all our pairwise tests are successful and we will be keeping an eye on it for the Integration test cases validation. Lowering risk to low.
4	OOF	July 8, 2020	Meeting non-functional requirements due to resource constraints	OPTF/CMSO	Try to get commitments from potential contributors	will request an exception for Guilin	Low	Low	Not occurred NFRs specific to CMSO are done. Common NFRs will be taken care along with other projects
5	DCAE	July 8, 2020	Meeting non-function requirements - REQ-379 (approved base image) compliance	DCAE	- Finalize approved base image ASAP - Resource commitment required from multiple companies due to number of components involved	Will be worked in-phase and need exception for components not migrated	High	Low	Closed: Waiver requested for java components - Guilin Exception Request for DCAE
6a	DCAE	July 8, 2020	DCAE being large project with 40+ component, need more time for compliance with non-functional requirements REQ-366 - Containers must crash properly when a failure occurs (DCAEGEN2-2326)	DCAE	Have commitment from Ericsson; more contributors will help mitigating the risk	Will be worked in-phase and need exception for components not compliant	High	Medium	Closed: Waiver requested - Guilin Exception Request for DCAE Identified 8/24/2020 - Ericsson team indicated issues to support; evaluating options to phase (or get additional time). Will likely require an exception for Guilin Note: Split original item into 6a /6b for better tracking
6b	DCAE	July 8, 2020	DCAE being large project with 40+ component, need more time for compliance with non-functional requirements REQ-365 - Containers must have no more than one main process (DCAEGEN2-2327)	DCAE	Have commitment from Ericsson; more contributors will help mitigating the risk	Will be worked in-phase and need exception for components not compliant	Medium	Medium	Closed 8/24/2020 - ChinaMobile and Nokia volunteered to help; this item could be closed soon.
7	DCAE	July 8, 2020	Resource/time constraint for supporting nonfunctional REQ-351 (Java11 upgrade). MOD-Genprocessor components will need exception (due to NiFi upstream dependency)	DCAE	More companies to help with migration	Will be worked in-phase and need exception for components not migrated.	Medium	Low	Closed Exception created for deferred components - Guilin Exception Request for DCAE

8	Portal	July 8, 2020	Meeting the following Non-Functional Priority 1 and 2 Requirements https://jira.onap.org/browse/REQ-380 https://jira.onap.org/browse/REQ-379 https://jira.onap.org/browse/REQ-366 https://jira.onap.org/browse/REQ-362 https://jira.onap.org/browse/REQ-351 https://jira.onap.org/browse/REQ-357 https://jira.onap.org/browse/REQ-356 https://jira.onap.org/browse/REQ-386 https://jira.onap.org/browse/REQ-373	Portal	Need support from community	Phased approach and file exceptions for the items that cannot be delivered or picked up by community	High	Medium	Identified
9	Holmes	July 9, 2020	There's no env for the team to carry out any functional tests. Due to the network restriction in our company, we have no access to the WindRiver lab, so it seems impossible for us to do any tests after code modifications. This would impact the integration with AAF.	Holmes	Trying to apply for HW resources to build up a testing env within our company.	will request an exception for Guilin	Medium	Medium	In-progress. Still trying to deploy the Frankfurt release in our private env. Problems were encountered. Still trying...
10	SDC	July 9, 2020	Meeting non-functional requirements - REQ-366 & REQ-365	SDC	Need support from community	Phased approach and file exceptions for the items that cannot be delivered or picked up by community	High	Medium	Identified Update Oct 5th As planned these could not be achieved for Guilin, will see if they are planned for next releases
11	MultiCloud	July 9, 2020	Meeting non-functional requirements - REQ-373 , REQ-363 , REQ-351 , REQ-349 ,	MultiCloud	Need support from community	Will request waiver in Guilin release	High	Medium	Waiver created Guilin Exception Request for MultiCloud
12	AAI	July 9 2020	Meeting non-functional requirements, https://jira.onap.org/browse/REQ-380 https://jira.onap.org/browse/REQ-379 https://jira.onap.org/browse/REQ-366 https://jira.onap.org/browse/REQ-361 https://jira.onap.org/browse/REQ-351	AAI	Need support from community	Will request waiver in Guilin release	High	Medium	Waiver Created
13	MSB	July 15th	Can not meet REQ-351 lack of capacity	MSB	Need support from community	Will request waiver in Guilin release	High	High	Identified update 1017 Waiver created Guilin Exception Request for MSB
14	Modeling	July 15th	Meeting non-functional requirements - REQ-373	Modeling	Need support from community	Will request waiver in Guilin release	High	High	Identified update 0929 Waiver created Guilin Exception Request for Modeling
15	VID	July 15th	Can not Meeting non-functional requirements - REQ-361	VID	Need support from community	Will request waiver in Guilin release	High	High	Identified

16	VF-C	July 15th	Meeting non-functional requirements - REQ-373 REQ-365	VF-C	Need support from community	Will request waiver in Guilin release	High	High	Identified update 0929 Waiver created Guilin Exception Request for VFC
	Policy	July 23 2020	Meeting non-function requirements - REQ-379 (approved base image) compliance and GPL v3 packages	Policy	Need finalized approval base image ASAP, in order to request the resource from community	Will request waiver in Guilin release	High	Low	Waiver created
18	Holmes	July 28, 2020	Don't know where to get support regarding AAF integration.	Holmes	Mark the requirement as a stretched goal.	Defer it to the next release.	High	Medium	Identified Now M4 is close and we haven't even get started due to Risk 9. This has to be deferred to the next release.
19	UUI	July 29, 2020	Can not Meeting non-functional requirements - REQ-361	UUI	Mark the requirement as a stretched goal.	Defer it to the next release.	Low	Low	Identified
20	CCSDK	July 31 2020	Meeting non-function requirements - REQ-379 (approved base image) compliance	CCSDK	Need finalized approval base image ASAP. Specifically, need guidance on which base image to use for openjdk 11 on alpine.	Will request waiver in Guilin release	High	Low	Closed - our docker containers now use one of the 2 approved ONAP base images
21	SDNC	July 31 2020	Meeting non-function requirements - REQ-379 (approved base image) compliance	SDNC	Need finalized approval base image ASAP. Specifically, need guidance on which base image to use for openjdk 11 on alpine.	Will request waiver in Guilin release	High	Low	Closed - our docker containers now use one of the 2 approved ONAP base images
22	DCAE	Aug 24,2020	Meeting non-functional requirement REQ-373 (ONAP must complete update of the Python language (from 2.7 -> 3.8) Among 8 components identified only 3 are completed as of 08/24	DCAE	More companies to help with migration	Will be worked in-phase and need exception for components not migrated.	Medium	Low	Closed 9/15 - Exception created for deferred components - Guilin Exception Request for DCAE 8/31 - Majority of component s migration complete; need exception for Cloudify, Plugins, AA.
23	Integration	Aug 11, 2020	Instability of the ONAP deployments Intel/Windriver labs. An ONAP installation keeps up&running only a few hours. After few hours, weird errors start to occur, leading to the very frequent redeployments of the solution. Marco was used to regularly redeploy some helm charts and some pods, that were not necessarily used by the use cases, were sometimes not in healthy state. Such behavior is not detected in other labs. As Marco is no more involved, we do not have an Integration admin for the deployments in Intel /windriver lab. Re-installing every 2 days is not the solution. Integration shared the risk with the PTL during PTL meeting on the 17th of August.	Integration	Figure out the issues Replay infrastructure tests (independently from ONAP) Compare with other infra tests Review installation procedure (based on jenkins script not fully synchronized with OOM, kubernetes and helm upgrade done late during frankfurt process) idally get a resource able to be ONAP integration admin	Possible to host use cases in other labs (Orange openlabs)	Medium	High	in progress First infra tests done and seem good..

24	Integration	Aug 25, 2020	Re-insourcing of the Integration helm chart in OOM	integration	Some time needed to refactor the existing robot pod. As it is familiar to the community, the refactoring must be transparent for end users	No change, we keep the frankfurt helm chart	High	Low	identified
25	Integration	Aug 25, 2020	Migration from onap_tests to pythonsdk tests The framework used to run the End to End tests in frankfurt is deprecated. A new one is available but the scenario as well as the CI integration has to be done	Integration	Some time to finalize the new framework integration	No end to end tests in CI	Low	Low	In progress
26	Integration	Aug 25, 2020	lack of HW resources for gating and dailys Today all the HW is hosted and managed by Orange teams + 2 offload lab in Azure. In case of major outage in Orange DC, we will lose 80% of our gating capabilities we experienced an issue during summer break, as the patch rate was low it was not a problem to get only 1 gating lab but as we are approaching the release, the number of patches to be managed increased, it could be a problem	Integration	need extra cloud resources (extra budget for Azure, cloud resources in vexxhost, cloud from other companies)	long time before providing feedback to projects, could become a bottleneck	Medium	High	identified
27	Policy	Aug 27, 2020	REQ-349 test coverage for one repo has dropped to 34% as a result of moving javascript code from one repo to another	Policy	Continue to add test coverage prior to M4	The repo under question is not a Guilin deliverable. In addition, test coverage will continue to be added post-M4	High	Low	Waiver created. Waiver is no longer necessary, as coverage for the repo is now at 57.5%
28	Policy	Aug 31, 2020	DMN support may not be completed by M4	Policy	Continue development as late as possible prior to M4	Descope DMN support from Guilin, as it does not affect any use cases or any testing	Medium	Low	
29	AAI	Aug 31, 2020	AAI Sparky UI may not be completely working in Guilin, as it was in Frankfurt	AAI	Continue trying to remove hurdles with portal integration and other supporting microservices,	Descope support for the AAI UI as it stands and deliver new functionality in Honolulu as communicated with the community	High	Low	Waiver created
30	SDC	Sep 4, 2020	REQ365 REQ366, no contribution to these as identified at M1, will not be done for SDC	SDC	Continue to request help on these	Descope to next release	High	Low	In progress
31	CLAMP	Sep 7, 2020	 REQ-361(Continue hardcoded passwords removal)	CLAMP	Continue working on the Certinitalizer intro into CLAMP	Descope to next release	Medium	Low	Closed
32	CLAMP	Sep 7, 2020	 REQ-380 (ONAP container repository (nexus) must not contain upstream docker images)	CLAMP	Continue working on elk stack removal	ELK stack is actually apache 2, so it is actually not an issue. Descope to next release.	High	Low	Closed (Exception requested)
33	SO	Aug 31, 2020	SO is failing on the gating and needs changes for the OOM	SO, OOM	continue to work on the issue and wait for the gating dependencies to be resolved		High	High	In Progress
34	DMAAP	Sep 9, 2020	DMAAP components will not be able to implement all TSC priority 1 non functional requirement due to lack of resources	DMAAP	Cover as much as we can with the available resources	Waiver has been requested for Java 11 upgrade.	High	Low	In Progress
35	CLAMP	Sep 8, 2020	Basecontainer for Front NGNIX is not official	CLAMP	CLAMP uses a small ngnix container because there is no yet an official one small enough	make this one the official ONAP ngnix or descope to next release	High	Low	In Progress (Exception requested)
36	DMAAP	10/8/2020	DMAAP-1500 was recently opened for GPL V3 licenses showing up in DMAAP-BC and DMAAP-MR components. We will not be able to address this in Guilin due to lack of resources.	DMAAP	Address in Honolulu release	Address in Honolulu release	High	Low	Exception being requested
37	OOM	Oct 12 2020	no limits on some pods	ONAP	Some are under review, waiting for comitters to +2	see what's left and finish before RC1	Medium	Low	In Progress
38	OOM	Oct 12 2020	Cassandra upstream is using java 8	ONAP	Address in Honolulu release	Address in Honolulu release	High	Low	Exception being request
39	OOM	Oct 12 2020	Lack of Hardware resources	ONAP	need extra cloud resources (extra budget for Azure, cloud resources in vexxhost, cloud from other companies)	long time before providing feedback to projects, could become a bottleneck	Medium	High	identified
40	OOM	Oct 12 2020	Upstream Mariadb outdated and run as root	ONAP	Update to another mariadb image	Address in Honolulu release	High	Low	identified