Thank you for reaching out to the CPE Team to log your request. Please fill out the fields below. To ensure your request can be reviewed please ensure all fields are populated where you see a *. Thank you

Project details:

Name of Project:	Packager Workflow Healthcare/stats
Submitted by:	Pingou
Date:	2020-03-06
Dependency dates : (if known)	

Summary overview:

Using the data gathered by the monitor-gating script, investigate how often the packager workflow fails/breaks and go the step beyond to figure where it breaks.
From this we will need to investigate how to make the weak points of the workflow stronger/more stable.

The overall goal being to increase the stability/reliancy of the entire packager workflow.

If you are interacting with 10 apps which each have 95% uptime, updating a package breaks on average every other time. We should look at the uptime of the entire workflow and what it is and if it needs to be improved.

What platform does this project relate to: [Please insert ✓]*

✓	Fedora		CentOS

Is this idea... [Please insert ✓]*

	New	✓	Enhancement		Replacement

Is there a workaround in place? Y/N

If yes, please provide details:
None exist at this time

What area does it relate to: [Please insert ✓]*

	Initiatives	✓	Infrastructure		Releng

Why is this important?	What is the benefit of doing this?	What happens if it doesn't happen?
What problem or opportunity are we addressing: A couple of community members have reported on the devel list that they end up fighting the pipeline more than individual tool. Being able to quantify this feeling would give us a basis to either refute or look to improve this.	More stable packager workflow or actual data on the health of the workflow thus allowing to refute or confirm feelings expressed by the community.	Packagers are still unable to identify why builds fail and must investigate them individually, thus consuming more time Some packagers have a feeling of fighting the workflow/tools which isn't backed by any data.

Objectives/Goals *

Please insert as bullet points

- Quantifying the health of the packager workflow
- Set a current average uptime for the workflow
- Identify the weakest parts of the workflow
- Investigate if these weakest parts can be made stronger/more reliable
- Brings the outcome of this to the community
    - “Yes the workflow break X% of the time”
    - “No, the workflow is actually pretty stable and you've just been unlucky/it's just you”

What does success look like to you? *

Scripts to be able to find the % of uptime the workflow had over the last 3 months.
Set at the team level a target % of uptime for the workflow
Identifying the weakest parts of the workflow
Investigate if they can be made more reliable.

Requirements: (Prioritized epics + deliverables) N ote: Aoife will gather these with requestor

Requirements
Create a script to gather stats over a three month period from when its ran
The script is a CLI tool run locally

It can gather how often the packager workflow worked over 3 months
It can gather how often it did not
It will identify where it did not work and at what application
Sort and present the data as a % and absolute numbers
It passes tests and works

Dependencies (users, other teams & app's affected) *(If known)*

Internal	External
The monitor-gating project needs to be up and running in production, for at least 3 months	
Datanommer and Datagrepper need to be up and running as they are the source of the historical information	

Risk *(If known)*

Risk title	Type of risk	Risk description	Level of risk	Actions to mitigate risk

Any other information:

Any open questions, unknown's, other insights you would like to flag, add them here: Skillset for project: packager experience & sysadmin Post script creation will be when the applications that the script has discovered as failing can be fixed. CI/CD team will be the main team but will have some cross-over with sustaining.

Please submit this request to cpe-requests@redhat.com & cc amoloney@redhat.com

Thank you, we will revert back once we review all our requests.