

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:	datanommer/datagrepper V2
Submitted by:	Adam & pingou
Date:	March 2020
Type:	Technical Debt
Dependency dates : (if known)	None
Project timeline (approx high level est): see note below	1.5 months - 4 people

Summary overview:

The datanommer and datagrepper stacks are currently relying on fedmsg which we want to deprecate. These two applications need to be ported off fedmsg to fedora-messaging.

We want to **investigate** the different solutions that exist out-there today to fill in a postgresql database from an amqp message bus and publicly expose the data in the database.

Based on this investigation, decide between porting the existing applications to fedora-messaging or replacing them (one or both) with another solution.

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

<input checked="" type="checkbox"/>	Fedora	<input type="checkbox"/>	CentOS
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Is this idea... [Please insert ]*

<input type="checkbox"/>	New	<input type="checkbox"/>	Enhancement	<input checked="" type="checkbox"/>	Replacement
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Is there a workaround in place? Y/N

If yes, please provide details:

We can keep running datagrepper and datanommer but that won't last for long. Due to the Retirement of

bridge between fedmsg & fedora -messaging along and both apps on py2.

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

	Initiatives		Infrastructure		Releng
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Why is this important?	What is the benefit of doing this?	What happens if it doesn't happen?
<p><i>What problem or opportunity are we addressing:</i></p> <ul style="list-style-type: none">• Fedmsg is deprecated and Datagrepper and datanommer are both relying on it• The datagrepper DB is huge (several hundreds of Gb) and could use some optimization• Datanommer and datagrepper are the basis for auditability and observability of what's going on in Fedora atm	<p>Applications are not relying on deprecated stack</p> <p>Potentially the new solution is not developed in-house</p> <p>Gives us better observability into our applications</p>	<p>We keep running the old stack until it becomes a pain big enough to justify investing the time to fix this. Example:</p> <ul style="list-style-type: none">• Maintaining outdated py2 code• Maintaining the fedora-messaging to fedmsg bridge would be two

Objectives/Goals *

Please insert as bullet points

- We need a system that listens to all messages from the message bus and stores them in a database
- We need an API that we can query to retrieve the messages stored in this database
- We need a frontend/UI that can be used to visualize the content of the database and share it with other people via links

Stretch goals:

- The historical data that we have today is available in the new system
- The data in the database can be queried and graphed
- The new system can be used for alerting

What does success look like to you? *

The first three goals above are satisfied.

Note: You do not need to fill out fields below. Our PO will work with you and the assigned Tech Lead to scope these further

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

Thank you, we will be in contact soon.

Requirements: (Prioritized epics + deliverables)

Requirements
UI for external links
Graphable Content
Message schemas

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

Internal	External
Fed-msg retirement is a prerequisite	
FMN needs UI	

Risk *(If known)*

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

Skill Set/Resources required to deliver

People	Skillset	Potential Team Member
4	1 with DB experience (ideally)	

Project timeline: Unsure , it will mostly depend on if we find something off the shelf that we can use (ideally) or if we end porting the existing stack (less desirable) . Ball-park estimate: 1.5 months for 4 people (Ideal)

Any other information:

Any open questions, unknown's, other insights you would like to flag, add them here:

- 1) Fed-msg need