Eiffel visualizations at Axis

Some ongoing activities at Axis.

Who am I?

Niklas Aronsson

- Works with tools at Axis.
- Have also worked at Ericsson/Lund with Eiffel visualizations (Hej Emil!).

Service: Eiffel Eye (working title)

A Graphical way to explore event relationships.

- Will be open sourced.
- Can be seen as a companion to the "eiffel-goer" event repo.

The problem it will solve

- Not feasable to use the Event Repo directly to verify an Eiffel event chain
- Especially for flows that may contain thousands of events.

Event flows as network diagrams

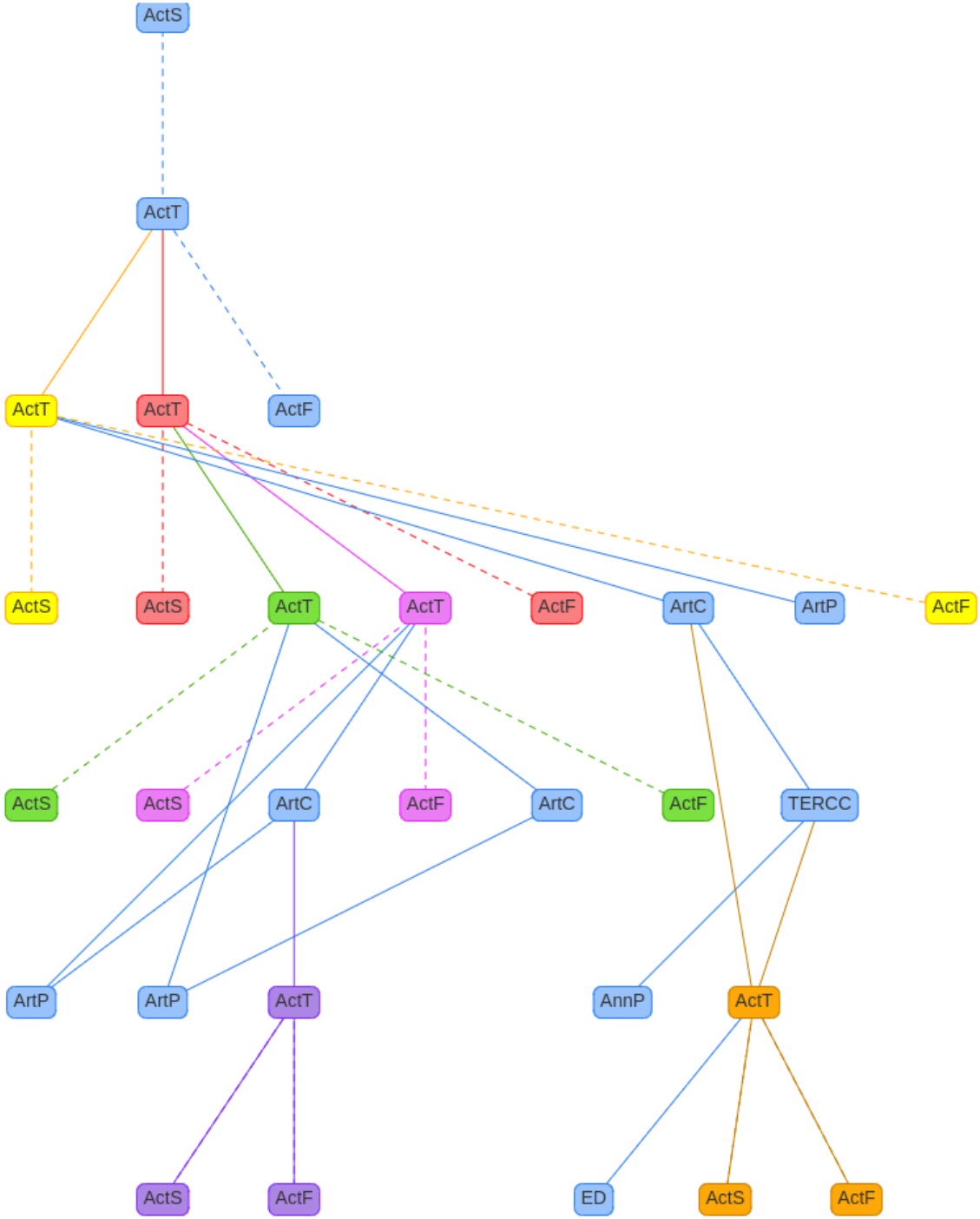
Definition: NETWORK DIAGRAM

Network diagrams (also called Graphs) show interconnections between a set of entities. Each entity (event) is represented by a Node (or vertice). Connections between nodes are represented through links (or edges).

Using the Eiffel Eye

- Get an Event Id of an event in a flow you want to explore.
- Decide if you are interested in "upstream" or "downstream" events.
- The following example is using 205 events.

Upsteam Search



ActS	202
ActT job/camera_type_A_Build	202
ActT job/Another_Build	202
ActS	202
ActS	202
ActT job/yet_another_Build	202
ActT job/Build_A	202
ActS	202
ActS	202
ArtC	202
ArtP	202
ActF SUCCESSFUL	202
ArtC	202
ArtP	202
ActF SUCCESSFUL	202
ActF SUCCESSFUL	202
ArtC	202
ArtP	202
ActF SUCCESSFUL	202
ActF SUCCESSFUL	202
ActT ETOS testrun	202
ActS	202
ActF SUCCESSFUL	202
TERCC	202
AnnP	202
ActT ETOS testrun	202
ED ESR Docker	202
ActS	202
ActF SUCCESSFUL	202

Availability of the Eiffel Eye

- Depends on the "eiffel-goer" Event Repo.
- Should be available after "eiffel-goer" is feature complete.
- The actual presentation may be different.

Follow My Commit at Axis

What we currently have available:

- A web based integration tool.
- Using "standard" rabbitmq messages from Gerrit and Jenkins.

Current plan

- Expand the commit information with new information.
- Use Eiffel as source while doing it.

Follow My Commit goals

- Expand current commit visualization with Eiffel sourced data.
- Look into replacing current data sources with Eiffel.
- Real time updates in the browser as the events are received.

Follow My Commit tech stack

Inspired by "VIDAC" (Ericsson inner source project)

- Service that collects Event data and stores it in relevant documents.
- Service between the database and browser.
- The eiffel backend is called in new parts of the "legacy" UI.

Follow My Commit status

Still missing key events to complete implementation. To be continued...

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Questions