

## IdeaFlowDX Profiler

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## Recent Idea Flows



#tag1 #tag2

[{Author}](#) > ...

IFM	Project	TaskId	Description	Most Recent Activity
	<a href="#">Luminate</a>	<a href="#">US-1234</a>	Visualize a timeline task	4:00pm
	<a href="#">Luminate</a>	<a href="#">US-1240</a>	Edit existing timeline bands	8/12
	<a href="#">Luminate</a>	<a href="#">US-1245</a>	Create new timeline bands	8/1
	<a href="#">Luminate</a>	<a href="#">US-1249</a>	Edit comments for events and bands	7/23
	<a href="#">LONG</a>	<a href="#">US-1250</a>	Some description	7/20
	<a href="#">LONG</a>	<a href="#">US-1251</a>	Some description	7/15
	<a href="#">LONG</a>	<a href="#">US-1253</a>	Some description	7/3
	<a href="#">LONG</a>	<a href="#">US-1255</a>	Some description	6/28

## Recent Idea Flows



#tag1 #tag2

[{Author}](#) > {Project}

IFM	TaskId	Description	Most Recent Activity
	<a href="#">US-1234</a>	Visualize a timeline task	4:00pm
	<a href="#">US-1240</a>	Edit existing timeline bands	8/12
	<a href="#">US-1245</a>	Create new timeline bands	8/1
	<a href="#">US-1249</a>	Edit comments for events and bands	7/23

## A Visual Map of Your Idea Flow

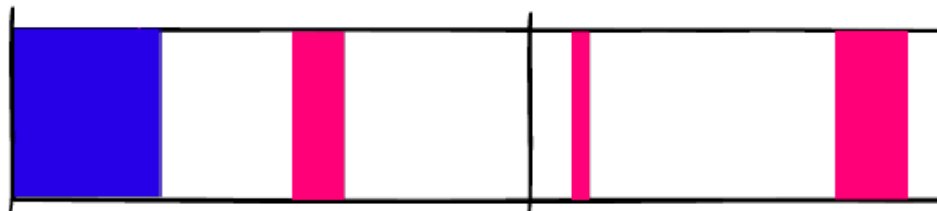
Task Start : 14-April-2016

Latest Activity : 5 minutes ago

US-12345 : Visualize an IFM timeline

Subtask1

Subtask2



☒ Idea Flow ☒ Subtasks ☐ Disruption ☐ Execution ☐ Calendar

[{Author}](#) > [{Project}](#) > [{taskId}](#)

1. Create a new chart

4h 25m



[See metrics](#)

2. Make the new chart available to users

3h 15m

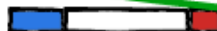


*Max Human Cycle Duration: 20 min*

[See metrics](#)

3. Do the next subtask

3h 25m



[See metrics](#)

4. Start a really big subtask

8h 10m



[See metrics](#)

When a metric is over a certain threshold, we'll set a "danger" flag on the metric, indicating the most relevant stuff to point out to the user. On hover, show all metrics.

## A Visual Map of Your Idea Flow

Task Start : 14-April-2016

Latest Activity : 5 minutes ago

US-12345 : Visualize an IFM timeline

Subtask1 8/9

8/10

Subtask2

✕

✕



☐ Idea Flow ☒ Subtasks ☒ Disruption ☒ Execution ☒ Calendar

[{Author}](#) > [{Project}](#) > {taskId}

1. Create a new chart

4h 25m



[See metrics](#)

2.

3h 15m



*Max Human Cycle Duration: 20 min*

[See metrics](#)

3. Do the next subtask

3h 25m



[See metrics](#)

4. Start a really big subtask

8h 10m



[See metrics](#)

Show various overlays on selection, and display information in tooltips.

@see GET [ideaflow/timeline/task/{taskId}](#)

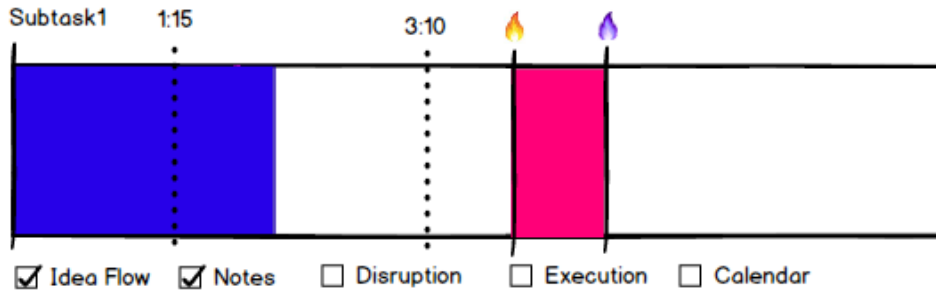
In place editable subtasks.  
@see PUT [/ideaflow/event/{eventId}](#)

## A Visual Map of Your Idea Flow

Task Start : 14-April-2016

Latest Activity : 5 minutes ago

### US-12345 : Visualize an IFM timeline



{Author} > {Project} > {taskId} > {subtaskId}

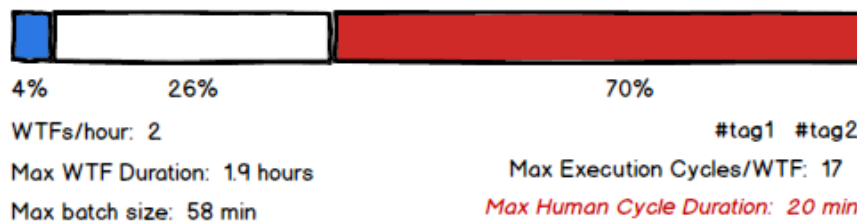
1. Create a new chart

4h 25m

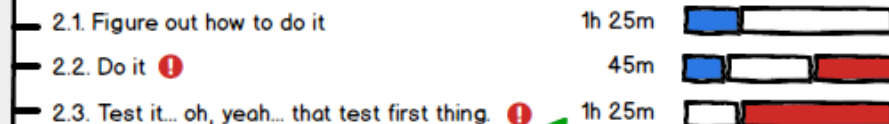
[See metrics](#)

2. Make the new chart available to users

3h 15m [Zoom Out](#)



#### Progress Milestones



3. Do the next subtask

3h 25m

[See metrics](#)

4. Start a really big subtask

8h 10m

[See metrics](#)

Zoom in to the subtask timeline when clicking on any task, and scroll "subtask 2" to the top of window below. Highlight the corresponding stuff in the timeline when hovering below.

@see [ideaflow/timeline/task/{taskId}/subtask/{subtaskId}](#)

After we're zoomed in, we can see all available metrics, including our "danger metric", and now we can drill into the weedy details.

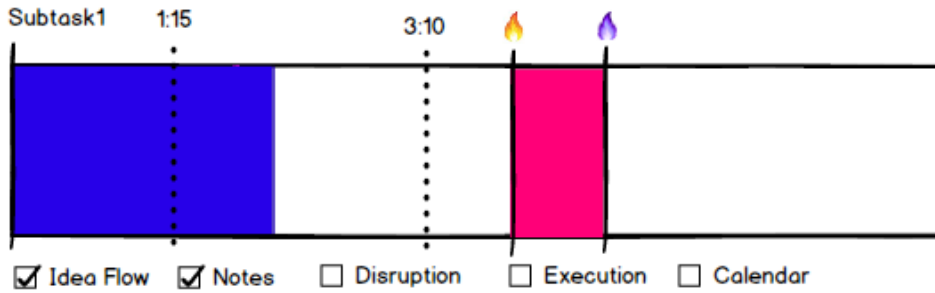
I want to know: "What caused the spike in Human Cycle Duration?"

Danger icons indicate danger inside -- hover over the icon to see the specific danger metrics, or click the icon (or milestone) to drill down into the details one again. Upon clicking, the tree explodes one more time, scrolling this section to the top of the frame, as part of the "tree explosion" animation.

## A Visual Map of Your Idea Flow

Task Start : 14-April-2016  
Latest Activity : 5 minutes ago

US-12345 : Visualize an IFM timeline



[\[Author\]](#) > [\[Project\]](#) > [\[taskId\]](#) > {subtaskId}

1. Create a new chart

4h 25m

[See metrics](#)

2. Make the new chart available to users

3h 15m [Zoom Out](#)



4%    26%    70%

WTFs/hour: 2    #tag1 #tag2

Max WTF Duration: 1.9 hours    Max Execution Cycles/WTF: 17

Max batch size: 58 min    *Max Human Cycle Duration: 6 min*

### Progress Milestones

2.1. Figure out how to do it    1h 25m

2.2. Do it    45m

**Troubleshooting Journey**    Tuesday 11:15 AM    35m

*Max Human Cycle Duration: 20 min*

- 1. WTF?! Why is this API failing with a 500 error?
- 2. TaskId is populated... but why is this still breaking?
- 3. YAY! I flipped && and ll #TranspositionMistake

#Tag1 #Tag2

**Troubleshooting Journey**    Tuesday 3:14 PM    10m

[See metrics](#)

- 1. WTF?! Why is the screen blank?
- 2. YAY! Was passing in [] instead of [[]] to jqplot createXYChart()

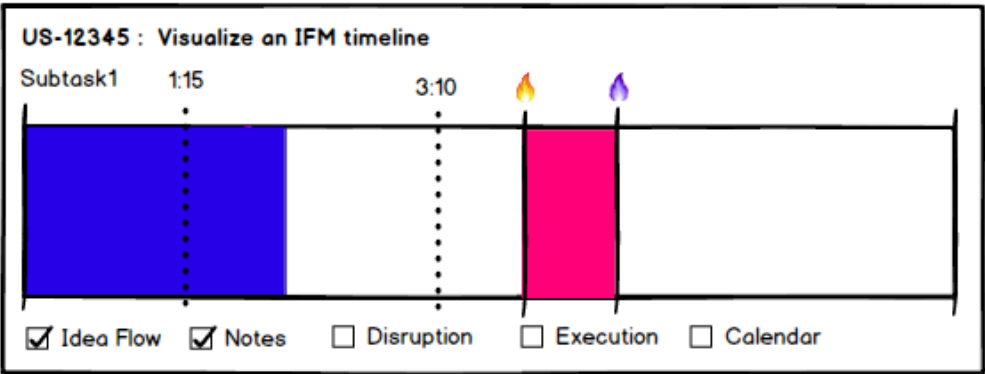
2.3. Test it... oh, yeah... that test first thing.    1h 25m

(Post Explosion) Now we can see all the troubleshooting journeys along the way, including the one with our danger metric. Hover to see a quick summary of various stuff, or click to explode into the details.

All WTF/YAY events are editable too.  
@see PUT /ideaflow/event/{eventId}

A Visual Map of Your Idea Flow

Task Start : 14-April-2016  
Latest Activity : 5 minutes ago



{Author} > {Project} > {taskId} > {subtaskId}

1. Create a new chart                      4h 25m

[See metrics](#)

2. Make the new chart available to users                      3h 15m    [Zoom Out](#)

4%                      26%                      70%

WTFs/hour: 2                      #tag1    #tag2

Max WTF Duration: 1.9 hours                      Max Execution Cycles/WTF: 17

Max batch size: 58 min                      *Max Human Cycle Duration: 6 min*

Subtask Breakdown

2.1. Figure out how to do it                      1h 25m

2.2. Do it                      45m

Troubleshooting Journey    Tuesday 11:15 AM                      35m

*Max Human Cycle Duration: 20 min*                      [See metrics](#)

1. WTF?! Why is this API failing with a 500 error?                      17 min

IdeaFlowResourceSpec

```
java.util.concurrent.ExecutionException: HTTP 500 Internal Server Error
at com.barcvue.rest.exception.DefaultWebApplicationExceptionHandler.createException(DefaultWebApplicationExceptionHandler.java:44)
at com.barcvue.rest.client.response.getResponse.doGetValidatedResponse(getResponse.java:32)
at com.barcvue.rest.client.response.AbstractResponse.getValidatedResponseAndCloseClientResponse(AbstractResponse.java:48)
at com.barcvue.rest.client.response.AbstractResponse.getValidatedResponse(AbstractResponse.java:43)
at com.barcvue.rest.client.crud.CrudClientRequest.find(CrudClientRequest.java:156)
at org.openmastery.publisher.client.IdeaFlowClient.getTimelineOverviewForTask(IdeaFlowClient.java:34)
```

History	Detail	Human Cycle vs Execution
Unit Test	TestIdeaFlowBand	5.2 min / 0.2 sec
Unit Test	TestIdeaFlowBand	20 min / 17 min
Unit Test	TestIdeaFlowBand	6.4 min / 0.2 sec

2. TaskId is populated... but why is the screen still blank?                      4m

IdeaFlowService.groovy: 45

```
TaskTimelineOverview generateTimelineOverviewForTask(Long taskId) {
    Task task = taskService.findTaskWithId(taskId)
    IdeaFlowTaskTimeline timeline = generateTaskTimeline(task);
    List<SubtaskOverview> subtaskTimelineMetrics = generateTimelineMetricsBySubtask(timeline);

    List<Event> filteredEvents = filterEventsByType(timeline.events, TASK_TIMELINE_EVENTS_TO_RETAIN);
    timeline.setEvents(filteredEvents);

    TaskTimelineOverview.builder()
        .task(task)
        .timeline(timeline)
        .subtaskOverviews(subtaskTimelineMetrics)
        .build();
}
```

History	Detail	Human Cycle vs Execution
Unit Test	TestIdeaFlowBand	5.2 min / 0.2 sec
Unit Test	TestIdeaFlowBand	20 min / 17 min
Unit Test	TestIdeaFlowBand	6.4 min / 0.2 sec

3. YAY! I flipped && and || #TranspositionMistake

IdeaFlowSplitter.groovy: 124

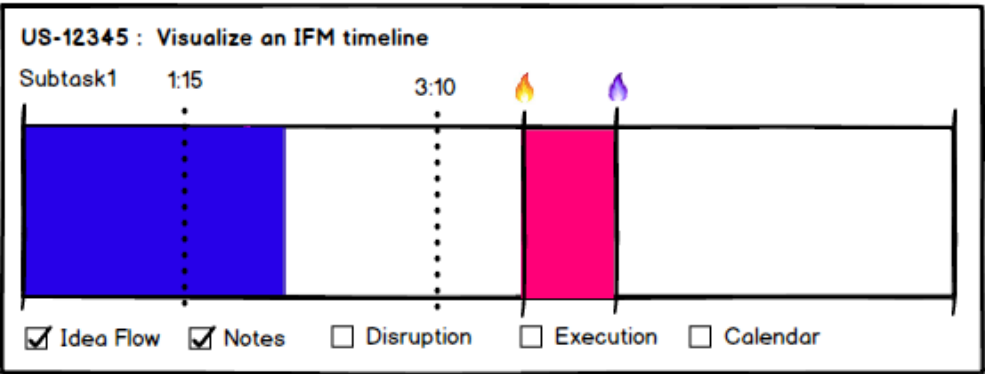
```
(bandEnd.isBefore(timelineEnd) && bandEnd.isAfter(timelineStart));
```

(Post Explosion) Floating window lets us expand the screen real-estate as much as possible. Show all the deep-dive details about highlighted code, and a scrollable window below, showing all the deep-dive details. Show 3 lines at a time with a detailed list of Positionables. For now, we will only have Executables like shown.



A Visual Map of Your Idea Flow

Task Start : 14-April-2016  
Latest Activity : 5 minutes ago



{Author} > {Project} > {taskId} > {subtaskId}

1. Create a new chart                      4h 25m

[See metrics](#)

2. Make the new chart available to users                      3h 15m    [Zoom Out](#)

WTFs/hour: 2                      #tag1 #tag2

Max WTF Duration: 1.9 hours                      Max Execution Cycles/WTF: 17

Max batch size: 58 min                      *Max Human Cycle Duration: 6 min*

Subtask Breakdown

2.1. Figure out how to do it                      1h 25m

2.2. Do it                      45m

Troubleshooting Journey    Tuesday 11:15 AM                      35m

*Max Human Cycle Duration: 20 min*                      [Show metrics](#)

1. WTF?! Why is this API failing with a 500 error?                      17 min

Type your FAQ notes here describing what happened and what you learned

IdeaFlowResourceSpec

```
java.util.concurrent.ExecutionException: HTTP 500: Internal Server Error
    at com.bancva.res.exception.DefaultWebApplicationExceptionHandler.createException(DefaultWebApplicationExceptionHandler.java:44)
    at com.bancva.res.client.response.GetResponse.doGetValidatedResponse(GetResponse.java:42)
    at com.bancva.res.client.response.AbstractResponse.getValidatedResponseAndLossClientResponse(AbstractResponse.java:48)
    at com.bancva.res.client.response.AbstractResponse.getValidatedResponse(AbstractResponse.java:43)
    at com.bancva.res.client.crud.CrudClientRequest.find(CrudClientRequest.java:156)
    at org.opentest4j.publisher.client.IdeaFlowClient.getTimelineOverviewForTask(IdeaFlowClient.java:34)
```

Execute	Process Name	Human Cycle vs Execution
Unit Test	TestIdeaFlowBand	5.2 min / 0.2 sec
Unit Test	TestIdeaFlowBand	20 min / 17 min
Unit Test	TestIdeaFlowBand	6.4 min / 0.2 sec

2. TaskId is populated... but why is this still failing?                      4m

IdeaFlowService.groovy: 45

```
TaskTimelineOverview generateTimelineOverviewForTask(Long taskId) {
    Task task = taskService.findTaskWithId(taskId)
    IdeaFlowTaskTimeline timeline = generateTaskTimeline(task)
    List<SubtaskOverview> subtaskTimelineMetrics = generateTimelineMetricsBySubtask(timeline)

    List<Event> filteredEvents = filterEventsByType(timeline.events, TASK_TIMELINE_EVENTS_TO_RETAIN)
    timeline.setEvents(filteredEvents)

    TaskTimelineOverview.builder()
        .task(task)
        .timeline(timeline)
        .subtaskOverviews(subtaskTimelineMetrics)
        .build()
}
```

History	Detail	Human Cycle vs Execution
Unit Test	TestIdeaFlowBand	5.2 min / 0.2 sec
Unit Test	TestIdeaFlowBand	20 min / 17 min
Unit Test	TestIdeaFlowBand	6.4 min / 0.2 sec

3. YAY! I flipped && and || #TranspositionMistake                     

IdeaFlowSplitter.groovy: 124

```
(bandEnd.isBefore(timelineEnd) && bandEnd.isAfter(timelineStart));
```

To publish this Troubleshooting Journey as part of the "Automated FAQ", simply fill out one or more notes. If it's interesting enough to explain what happened, it's interesting enough to be in the FAQ.

We can annotate any event with notes:

@see POST `ideaflow/event/{eventId}/annotation`

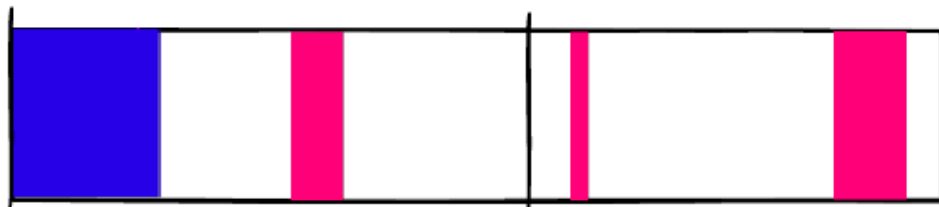
## A Visual Map of Your Idea Flow

Task Start : 14-April-2016  
Latest Activity : 5 minutes ago

US-12345 : Visualize an IFM timeline

Subtask1


Subtask2



☒ Idea Flow ☒ Subtasks ☐ Disruption ☐ Execution ☐ Calendar

[\[Author\]](#) > [\[Project\]](#) > [\[taskId\]](#) > [Glossary](#)

### The Glossary of #PAIN

- #TranspositionMistake When you accidently flip-flop arguments or conditions
- #BigHaystack When you make a whole bunch of changes at one time.
- #NewTag  

Make it easy to navigate here,  
then navigate back to wherever  
it is you came from.

@see GET /storyweb/  
glossary?tag={tag1}&tag=  
{tag2}

## The Automated FAQ



#tag1 #tag2

IFM	Tags	WTF?!	Experience Date
	#tag1 #tag3	Why is this thing throwing a 500 error? <i>The long FAQ description is ellipsed underneath</i>	4:00pm
	#tag1	Why is the index out of bounds? <i>The long FAQ description is ellipsed underneath</i>	8/12
	#tag2	Why is this thing throwing a 500 error? <i>The long FAQ description is ellipsed underneath</i>	8/1
	#tag2 #tag3	Why is the index out of bounds? <i>The long FAQ description is ellipsed underneath</i>	7/23

Make it easy to search over FAQ by tag and find interesting stories to review.

@see GET /storyweb/faq?tag={tag1}&tag={tag2}"

## The Glossary of PAIN



#tag1 #tag2

#ATag When you accidentally flip-flop arguments or conditions

#BTag When you make a whole bunch of changes at one time.

#NewTag

*Give this tag a description*



If you actually click on Glossary at the top, you get the full glossary in alphabetical order.

Clicking on any glossary term will take you to the FAQ search page, where you can find example FAQs matching the #hashtag type.

@see GET storyweb/glossary

## Understand Yourself

From:   To:  

### Tag Wells

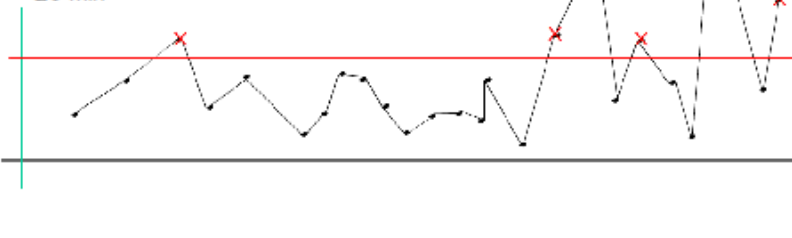
☐ 

☒ 

☐ 









☐ 

*X = Conversation Worthy*  
20 min



☐  ☐  ☐  ☒  Metric Wells

### The Stories of Your PAIN

IFM	TaskId	Description	Pain Inflicted
	<a href="#">US-1234</a>	Visualize a timeline task	4h 15m 
	<a href="#">US-1240</a>	Edit existing timeline bands	3h 2m 
	<a href="#">US-1245</a>	Create new timeline bands	55m 
	<a href="#">US-1249</a>	Edit comments for events and bands	35m 

[more...](#)

A Portal into the inner workings of your brain. It's your job to understand yourself.

Drag tags into the wells to customize filterable layers.

Drag metrics into wells with one or more chainable, map reducible calculators on top, to customize the data series you'd like to see on the screen.

The configuration should save in the URL, so the configuration are easy to bookmark.

Thresholds should be configurable by dragging the red line up and down.

Each point comes from a story. This panel will dynamically whenever the filters above are adjusted.

Hovering over rows here, highlights the data points above and vice-versa.