

Galaxy sample tracking
streamlines the delivery
of data from
sequencing runs to
customers

how?

example facility process

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- The facility bar codes the samples, scanning the tubes at each station in the lab

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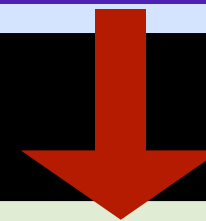
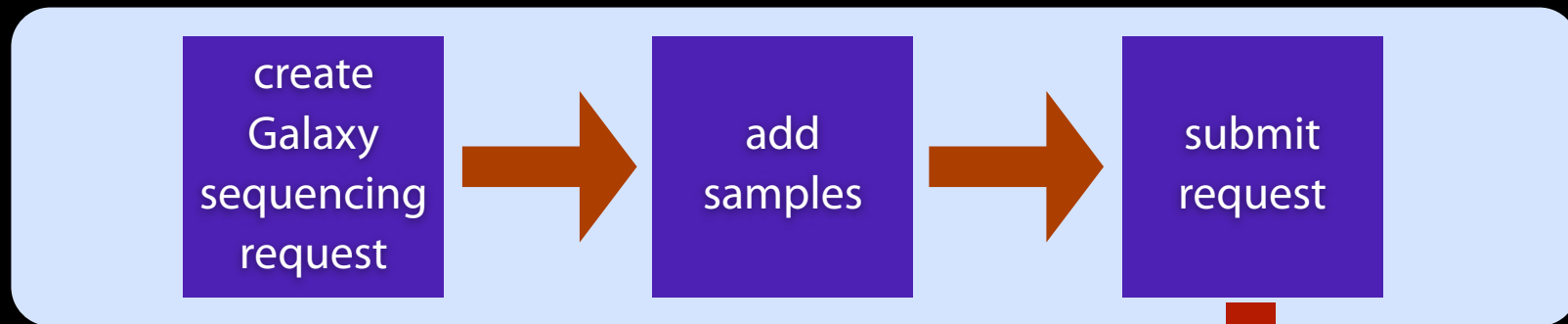
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- The facility bar codes the samples, scanning the tubes at each station in the lab
- The customer can watch the progress
- When the run is complete, the resulting data is transferred to the requested data library

who does what?

customer



facility manager



example sequencing request lifecycle

Events for Sample "Sample_1"

[Browse this request](#)

User: rc@bx.psu.edu

State	Description	Last Update	Comments
Sample Received		27 minutes ago	
Run Started		Feb 25, 2010	bar code scanner
Library Complete		Feb 25, 2010	bar code scanner
Library Started		Feb 25, 2010	bar code scanner
Sample Received		Feb 25, 2010	Sample added to the system
New		Feb 25, 2010	Samples created.

Change current state

Select the new state of the sample from the list of possible state(s)

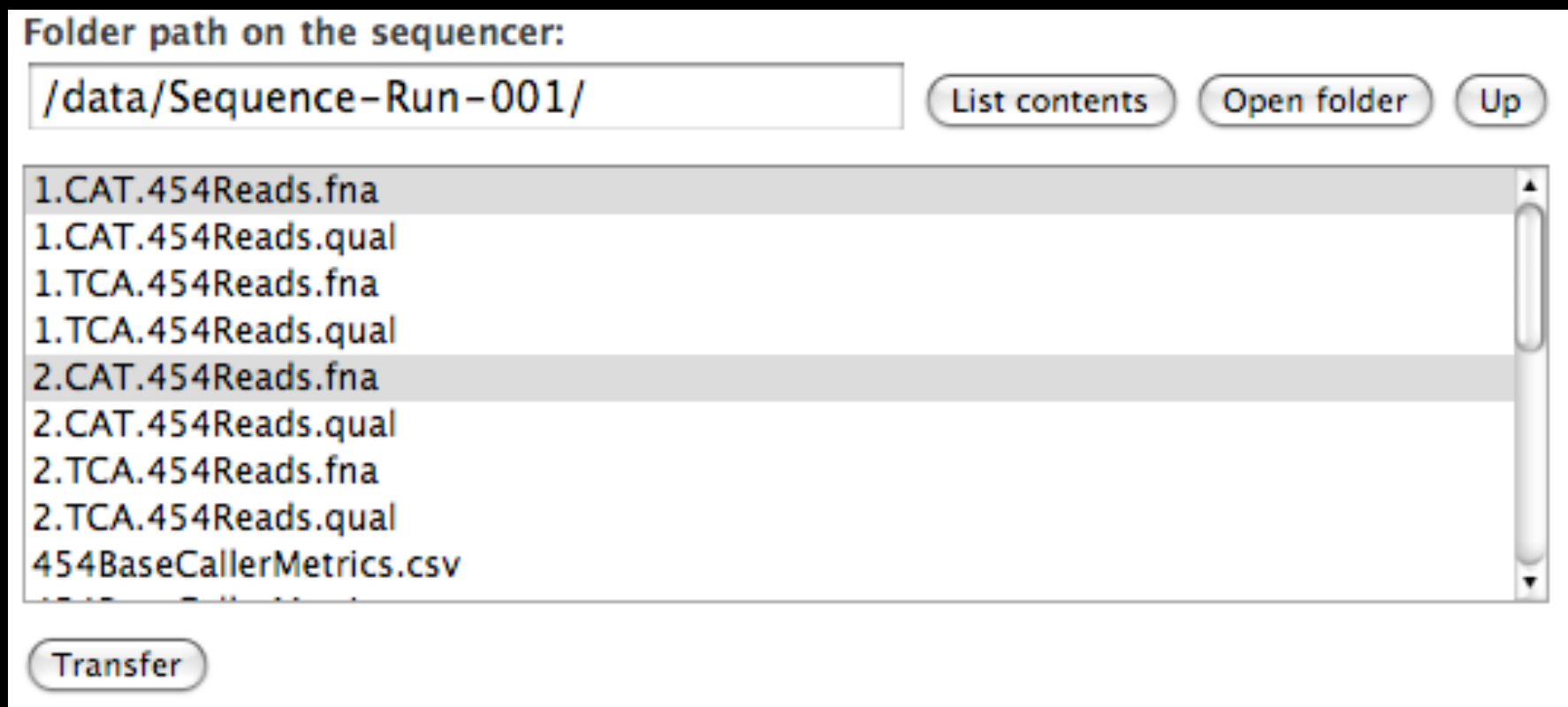
Sample Received (Current) ▾

Comments

Optional

transferring the data

- Remote file browser to select datasets on the sequencer and transfer them to the requested Galaxy data library



Folder path on the sequencer:

- 1.CAT.454Reads.fna
- 1.CAT.454Reads.qual
- 1.TCA.454Reads.fna
- 1.TCA.454Reads.qual
- 2.CAT.454Reads.fna
- 2.CAT.454Reads.qual
- 2.TCA.454Reads.fna
- 2.TCA.454Reads.qual
- 454BaseCallerMetrics.csv

What if my facility does
things differently?

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- Bar code scanners can be used, but manual data entry is also supported
- Configure the sequencer information for communication with Galaxy
- Permissions to submit requests is granted to specific users

What if my facility uses
a LIMS? Will it work
with Galaxy?

Yes!

- Galaxy sample tracking complements existing LIMS applications, it is not intended to replace them.

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- Galaxy sample tracking complements existing LIMS applications, it is not intended to replace them.
- Galaxy uses a generic messaging engine with a very simple XML api for communication with the sequencer. This same messaging engine can communicate with a LIMS application.