Services V3

Target Release	3.0
Component	Services
Document Status	Complete
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I. Background

B4R service is operational study or a task conducted within a study. Currently the information and service request creation is in multiple places within the system, which undermines the usability.

The objective is to improve the usability and add new features.

New features include

- Integrated browser for studies as service and service tasks
- New Create service request UI
- GSL Service request tools

II. Goals

I. Services browser is simplified
   A. Service request entry point is removed from study planning
   B. Service browser list
      1. service studies
      2. studies where in one or more task is a service request
   C. Request type is one column with values
      1. Received
      2. Requested

II. When creating a service request a dialog modal window opens up with shortcuts to different use cases.

Create	or	**Create a task request**
GSL - Genotyping HB - Parent list HB - Cross list RGA - List		List of services in alphabetical order ZES - Threshing And so one....

III. GSL - Genotyping

The GSL - Genotyping is operational study, which study type is **plant-sample** and process path is **GSL service request**. The source of study entries is not seeds but plant sample.

The specialty of the study is the fact that it does not have plot records.

During the study creation process, sample list is specified and sample records are created to sample table and GMS. Each study entry refer to a plant sample.

Create service request

1. Select studies
    a. The UI is similar as in Create service request - Studies
    b. one or more study is select from which the samples will be created
    c. After first study is selected, only studies which have same year,season and location as the first study, can be selected

2. Basic information form elements are pre filled from process path definition
    a. Year, location, season from source study

3. Additional information form elements are pre filled from process path definition

4. Code patterns form elements are pre filled from process path definition

5. Specify sample list
    a. Loop through selected studies

b. Input **number of samples per replicate.** This can be stored in a new variable in json format.
c. Select list creation tool
    i. Samples from all replicates
    ii. Samples from replicate numbers [input element]
    iii. Input plot numbers, plot codes or designations
d. If Input list
    i. Display textarea with validation button
    ii. If validation checks out next button is activated
e. If last study, active go to Preview button else activate Next study

6. Preview & Confirm page
    a. Study and entry level **data viewer** with columns from process path definition

    b. The confirmation creates a Gearman job which

        i. Creates the sample records to sample table
            1. sample_key = plotkey#sampleno

        ii. Creates the germplasm records to GMS via webservice with 2 names
            1. sample unique identifier (nstat=8) = sample_key
            2. designation of the source entry

        iii. Creates study level records

        iv. Creates entry level records

        v. Sets the study as operational

GSL UI

7. Service provider UI = Services browser
    a. Action -> Complete study
    b. Action -> Export -> Plant sample list
    c. Action -> Printout templates -> Plant sample list

IV. Create a HB Cross list or Parent list

One to one with the create Cross list & Parent list as described in Study creation V3 with the following additions.

Process path: **HB - Cross list or HB - Parent list**

After Preview & Confirm step

7. Service provider UI
    a) Action -> Complete study
    b) Action -> Export -> Seeding list
    c) Action -> Export -> Cross list
    d) Action -> Printout templates -> Cross list
    e) Action -> Printout templates -> Seeding list

III. Assumptions

IV. JIRA

A. **Services V3** release

V. What we're not doing

VI. Resources/Links

A. Study creation V3

Process path definitions for study creation

GSL Service request

Design = Random
Establishment method = not applicable
Number of replications = 1
Place = IRRIHQ
Phase = NA
Process path = GSL service request
Study type = Plant-sample

HB Cross list

Design = random
Establishment method = not applicable
Number of replications = 1
Place = IRRIHQ
Phase = HB
Process path = HB Cross list

Study type = ~~Crosslist~~ Crossing
Number of rows = 5
Number of hills per row = 12
Distance between hills = 20
Distance between rows = 20

HB Parent list

Design = Systematic arrangement
Establishment method = Transplanting
Number of replications = 3
Place = IRRIHQ
Phase = HB
Process path = HB Parent list
Study type = Nursery