Integration DesignSpecification

CAMPUS\_SOURCE\_TARGET\_Description

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# Introduction and Overview

## (High-level functional description)

## Business Purpose

[Make a brief statement of the purpose of the service from a functional perspective. Details will be covered later in this document.]

## Source and Destination Systems

[Indicate the source and destination systems and their business owners (e.g., campus bursar’s offices, CU Boulder Arts and Sciences advising.]

Source =

Target =

## Contacts

[Specify any relevant contact information.]

Contact Name

Contact Title/Role

Phone

[email.email@cu.edu](mailto:email.email@cusys.edu)

Contact Name

Contact Title/Role

Phone

[email.email@cu.edu](mailto:email.email@cu.edu)

TBD

Assistant Director for Integrations, University Information Systems

TBD

[email@cu.edu](mailto:email@cu.edu)

# Data Specification

## (This section deals with the data itself, not the transport of the data.)

## Data Specifications

[Describe in detail the type of source data, e.g. database, csv file, web service(s), event, etc. For a source file, show the file layout or refer to a layout/mapping document where this information is located. For a database, list the pertinent tables, etc.]

## Data Transformation

[Provide a full description of any necessary transformation logic, and include any value mapping between the two systems.]

## Selection Criteria

[What criteria should be used to select the people/items in an outbound integration]

## Data Privacy

[What is the data sensitivity level? Provide a list of sensitive data elements. Note any standards such as HIPPA or FERPA or any system wide policies and/or guidelines. Is this data being passed outside of the university domain?]

# Transport Specification

## (This section deals with the transport of the data, not the data itself.)

## Service Characteristics

[A brief description of the type of service exchange pattern: request/response, one-way file transfer, event based, etc… This description should define the transport (FTP, HTTP(S), SFTP, JMS, etc.). Include known coupling characteristics, such as synchronous or asynchronous.]

## Exchange Format

[Provide the exchanged format. For example: csv, fixed text, XML, SOAP.]

## External Constraints (Vender/Product)

[Describe any constraints which may impact the way this service is constructed.]

## Service Invocation

[Indicate if this service is called on demand, on a scheduled interval (like a batch), or via a business event.]

## Quality of Service

[Discuss estimated uptime, expected latency, or any SLA requirements/expectations. For example, are there dependencies on other processes or specific time-windows this must be completed in? Are there laws or regulations that define when this data must be received. If a nightly job fails, can it wait until the next night to capture? Are there any times of the year when this integration is mission-critical? i.e. Start of semester, Grading periods, Fiscal Month/Year End]

## Transport Security

[Provide any security considerations and/or security implications]

# Additional Notes or information: