Integration Service Design Specification

<Source System> ➔ *<Target System>*

Prepared by: [Name of Preparer]
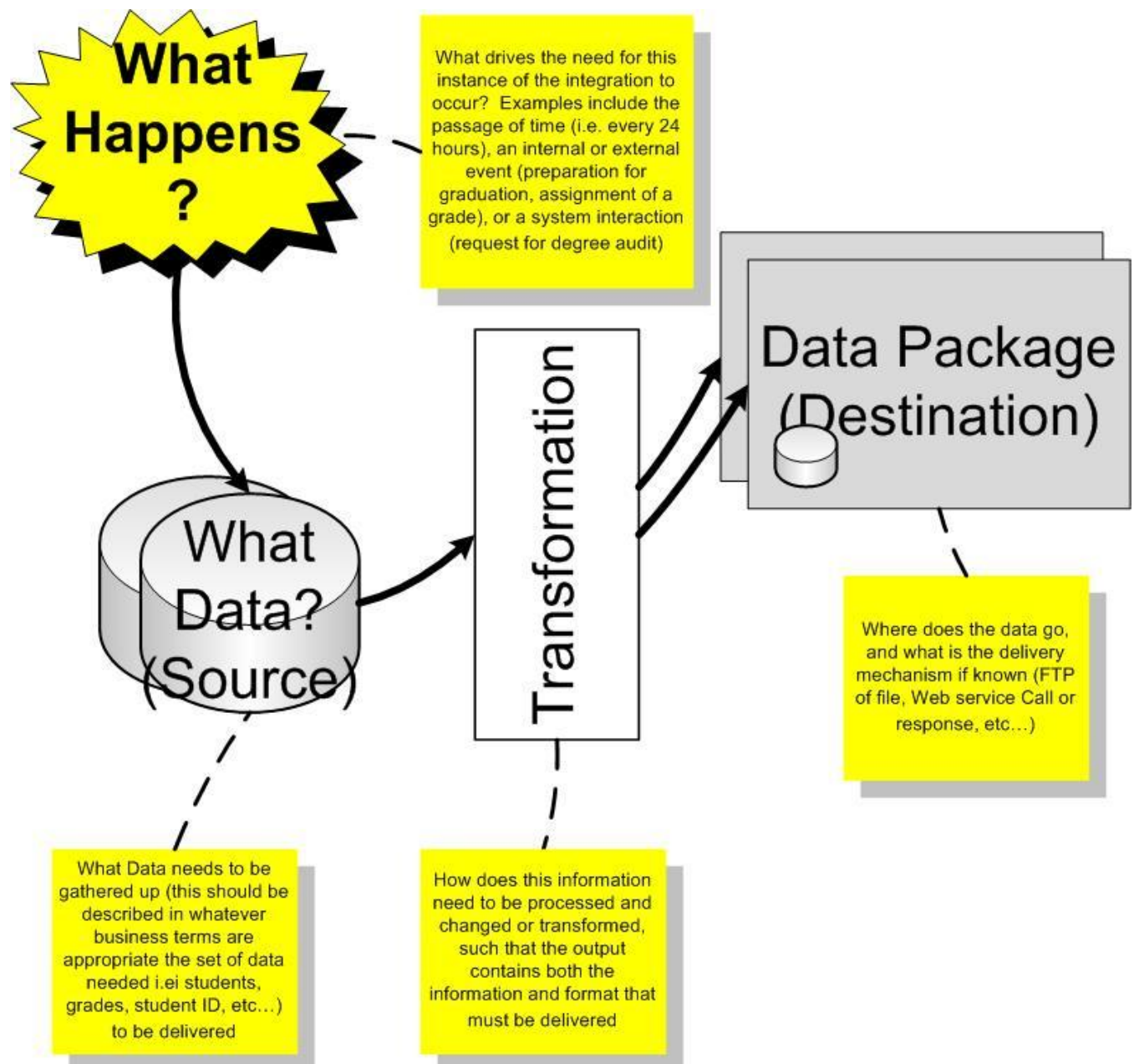
Date: July 2013

Table of Contents

1. Introduction and Overview (functional description. High level)

1.1 Integration Service Illustration

1.2 Purpose
[Make a brief statement of the purpose of the service from a functional perspective. Details will be covered later in this document. This can be copied directly from the FDD or business case.]

1.3 Source and Destination Systems
[Indicate the source and destination systems and their business owners (e.g., campus bursars offices, CU Boulder Arts and Sciences advising.]
Source =

Target =

1.4 Contacts
[Specify any relevant contact information.]

Contact Name
University Information Systems
1800 Grant Street, Suite 300
Denver, CO 80203
303.860.4
email.email@cusys.edu

Contact Name
University Information Systems
1800 Grant Street, Suite 300
Denver, CO 80203
303.860.4
email.email@cusys.edu

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303.860.4342
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2. Data Specification

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

2.1 Data Specifications
[Make a description of the type of source data, eg, 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. include selection criteria. Please include all necessary details.]

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

2.3 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?]

3. Transport Specification

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

3.1 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.]

3.2 Exchange Format
[Provide the exchanged format. For example, fixed text, csv, XML, SOAP.]

3.3 Constraints (Vender/Product/External)
[Describe any external constraints which may impact the way this service is constructed.]

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

3.5 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?]

3.6 Security
[Provide any security considerations and/or security implications.]

5. Documentation

5.1 Business Case Document
[Provide the SharePoint URL to the Business Case Document.]
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/

5.2 Service Design Spec Document
[Provide the SharePoint URL to this Design Spec Document.]
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/

5.3 Attribute Mapping Document
[Provide the SharePoint URL to the Attribute Mapping Document.]
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/

5.4 Technical Design Spec Document
[Provide the SharePoint URL to the Tech Design Document.]
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/

5.5 Data Repository Document
[Provide the SharePoint URL to the Data Repository Document.]
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/

5.6 Activity Diagram Document
[Provide the SharePoint URL to the Activity Diagram Document.]
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/

5.7 Test Plan Document
[Provide the SharePoint URL to the Test Plan Document.]
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/

5.8 Support Document
[Provide the SharePoint URL to the on page Support Document.]
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/

5.9 Data Approval Document
[Provide the SharePoint URL to a message from the campus data approver (Currently Barb Todd, Ingrid Eschholz, John Salnaitis), indicating the user may receive the requested data for this integration.]
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/

5.10 User Success Document
[Provide the SharePoint URL to a message from the user, indicating successful completion of this integration.]
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/

5.11 Additional Documentation
[Provide the SharePoint URL's to any other relevant documents.]
Other:
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/?
Other:
https://sharepoint.cu.edu/sites/CUSYS/portal/Integrations/?

8. Document Signatures

Name / Role	Signature	Date
Technical Lead		
Business Analyst		
Quality Assurance		
Project Manager		
Business Project Sponsor		