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User Stories

Epic	User Stories		
	User Story ID	User Story	Priority
Specify Input Format	INP1.1	Specify input format field's name As an Ingestion Engineer, I want to specify the input format field's name, so that I can map data for normalization.	Must have
	INP1.2	Specify input format field's type As an Ingestion Engineer, I want to specify the input format field's type, so that I can validate and manipulate log fields more easily	Must have
	INP1.3	Versioning of input formats As an Ingestion Engineer, I want to update an existing input data format, so that old data normalization remains functional.	Must have
	INP1.4	Remove input format versions As an Ingestion Engineer, I want to remove an input data format versions, so that I can not misuse old or incorrect formats.	Good to have
Specify Output Format	OUT1.1	Specify output format field's name As an Security Analyst, I want to specify the output format field's name, so that I can map data for normalization.	Must have
	OUT1.2	Specify output format field's type As an Security Analyst, I want to specify the output format field's type, so that I can validate and manipulate log fields more easily	Must have
	OUT1.3	Versioning of output formats As a Security Analyst, I want to update an existing output formats but retain version, so that old data normalization remains functional.	Must have
	OUT1.4	Remove input format versions As an Security Analyst, I want to remove an output data format versions, so that I can not misuse old or incorrect formats.	Good to have
Suggest Mappings	SUG1.1	Suggest initial mapping As a Security Analyst, I want an initial suggestion of mappings, so that I can skip repetitive obvious mappings.	Must have
	SUG1.2	Suggest more likely mappings. As a Security Analyst, I want more likely mappings to be suggested first than others so that I can more efficiently map data.	Good to have
Configure Mappings	CONF1.1	Create mappings As a Data Wrangler, I want to be able to create mappings, so that analysis can be done for security	Must Have
	CONF1.2	Edit mappings As a Data Wrangler, I want to be able to change existing mappings, so that mappings remain up to date.	Must Have
	CONF1.3	Review mappings As a Data Engineer, I want to be able to review mappings, so that mappings stay accurate	Must Have

	CONF1.4	<p>Mappings are version controlled.</p> <p>As a Data Wrangler, I want previous mappings for old log files to still be accessible, so that old log data can be analyzed in the future</p>	Good to have
Validate Log	VAL1.1	<p>Log Validation Documentation</p> <p>As a Data Engineer, I want to create validation documents, so that it is easy to continually monitor the log data for changes externally.</p>	Must have
	VAL1.2	<p>Sample Log Validation for Input Format</p> <p>As a Data Engineer, I want to verify the input format against sample log data so that it is easier to create an accurate input format.</p>	Good to have
Explore data normalization	EXP1.1	<p>Review current normalization mappings</p> <p>As a Security Analyst, I want to view all the current normalization mappings, so that I can better understand what mappings have been done.</p>	Must have
	EXP1.2	<p>Review data formats for normalization</p> <p>As a Security Analyst, I want to view all the input /output data formats, so that I can better understand what data is available for normalisation.</p>	Must have


User Journeys

Scenario 1 - Creating a new mapping for a normalisation requirement

	<p>Haley Ramos</p> <p>Data Engineer</p>	<p>"Shaping disorderly data into a structured orderly form allows valuable insights to be extracted"</p> <p>Goals</p> <ul style="list-style-type: none">• Cut down time spent creating mappings• Reduce human error			
Current Journey					
	Instructed to Create a Normalization Mapping	Creates a new mapping document	Normalisation	Reviews and Publishes	Communicates the mapping is done
Actions	<ol style="list-style-type: none">1. Notes down which input and outputs are to be mapped2. Finds the internal wiki website	<ol style="list-style-type: none">1. Creates a new page on the wiki2. Copy and pastes an example template of mapping format	<ol style="list-style-type: none">1. Opens another tab of the online log documentation2. Looks at an output field and finds an input field that could be mapped from3. Types in field mappings into the wiki4. Gives a description to each field	<ol style="list-style-type: none">1. Reviews the list of mappings2. Publishes wiki document	<ol style="list-style-type: none">1. Sends an email to supervisor
Thinking		<ul style="list-style-type: none">• I have done this over a thousand times	<ul style="list-style-type: none">• I have written this description before• Looking through this data format is outside of my expertise	<ul style="list-style-type: none">• This document is format is hard to review the information• It keep losing track of which fields I think are okay• I wonder if people will use this document	<ul style="list-style-type: none">• I wonder when this will be used
Feeling		<ul style="list-style-type: none">• Unproductive about doing the same task over again	<ul style="list-style-type: none">• Unsure about mappings correctness• Bored about repetitive obvious mappings• Irritated about switching between all the tabs	<ul style="list-style-type: none">• Overwhelmed about all the information• Irritate about if this information will all be used	
Opportunities			<ul style="list-style-type: none">• Having the description of fields collocated on the same page• Reusing existing log format documentation	<ul style="list-style-type: none">• Allow user to indicate if they have review a field or not• Allow user to skim through each mapping one at a time	
New Journey					
	Instructed to Create a Normalization Mapping	Selecting Input and Output	Normalisation	Reviews	Communicates the mapping is done

Actions	<ol style="list-style-type: none"> Notes down which input and outputs are to be mapped Finds the website 	<ol style="list-style-type: none"> Selects Input Format Selects Output Format Allows Suggested mappings Creates a mapping 	<ol style="list-style-type: none"> Maps input fields to output fields Fields are ordered by likelihood of fitting the mapping 	<ol style="list-style-type: none"> Reviews the list of mappings Each mapping is presented one by one Checks off on it being correct 	<ol style="list-style-type: none"> Sends an email to supervisor
Thinking	<ul style="list-style-type: none"> Haven't visited this site in a while What was my password again? 	<ul style="list-style-type: none"> Which Input was I meant to select Input/ Output Formats dropdown are small 	<ul style="list-style-type: none"> I wonder if these mappings are correct Having the mappings ordered helps me choose the correct one faster 	<ul style="list-style-type: none"> This document is format is hard to review the information It keep losing track of which fields I think are okay 	<ul style="list-style-type: none"> Done this before They take days to respond I wonder when this will be used
Feeling	<ul style="list-style-type: none"> Unproductive about trying to get access to the site 	<ul style="list-style-type: none"> Inpatient about finding and selecting the input and output format 	<ul style="list-style-type: none"> Happy about obvious mappings being done already Unsure about mappings correctness 	<ul style="list-style-type: none"> Overwhelmed about all the information 	
Opportunities		<ul style="list-style-type: none"> Reevaluate how input and output formats are found and selected 	<ul style="list-style-type: none"> Presenting field descriptions to better understand fields 	<ul style="list-style-type: none"> Allow user to indicate if they have review a field or not Allow user to skim through each mapping one at a time 	<ul style="list-style-type: none"> Teams using the data as output are emailed of a new normalization

Scenario 2 - Editing input log data format



Shirley Aguilar

Ingestion Engineer

"Cohesively merging Telstra's subsystems as a whole provides huge benefits"

Goals

- Reduce time spent editing input formats
- Reduce human error

Old Journey

	Input log data has changed	Figure out what has changed	Update the input format document	Reviews and Publishes	Communicates that the document has been updated
Actions	<ol style="list-style-type: none"> Check log provider documentation for changes Unable to find relevant documentation 	<ol style="list-style-type: none"> Compare old log files with new ones. Note down which fields have changed and their respective changes 	<ol style="list-style-type: none"> Find the page containing the input format document on the wiki. Update the changed fields with the changes. 	<ol style="list-style-type: none"> Double check the changes Save and publish changes to wiki document 	<ol style="list-style-type: none"> Sends an email to supervisor
Thinking	<ul style="list-style-type: none"> Why don't the log providers give us documentation? 	<ul style="list-style-type: none"> I hope I didn't miss any fields. 	<ul style="list-style-type: none"> Is this the right page? 	<ul style="list-style-type: none"> It's not clear which fields have changed due to the format of the document. 	<ul style="list-style-type: none"> I wonder when this will be used

Feeling	<ul style="list-style-type: none"> Frustrated about having to manually go through log files again 	<ul style="list-style-type: none"> Unproductive about doing such a tedious process again 	<ul style="list-style-type: none"> Bored of having to do this repetitive process again 	<ul style="list-style-type: none"> Worried about not catching a mistake. 	
Opportunities		<ul style="list-style-type: none"> An automated way of determining what has changed. 			
New Journey					
	Input log data has changed	Figure out which fields have changed	Update the input format document	Review	Communicates the document has been updated
Actions	<ol style="list-style-type: none"> Select the format document for the log file that has changed. 	<ol style="list-style-type: none"> Click the "Validate All Logs" button. Select the red highlighted fields to view more information about the changes . Note down the changes. 	<ol style="list-style-type: none"> Go back to the input format document. Click the "Edit" button. Update the fields to the new type. 	<ol style="list-style-type: none"> Double check changes by clicking on "Validate All Logs". 	<ol style="list-style-type: none"> Sends an email to supervisor
Thinking	<ul style="list-style-type: none"> I wonder if this is the right document. 	<ul style="list-style-type: none"> Being able to automatically identify changed fields is really helpful. 	<ul style="list-style-type: none"> Now I can update the changed fields according to the automatic validation 	<ul style="list-style-type: none"> Being able to automatically validate my changes is a massive timesaver. 	<ul style="list-style-type: none"> I wonder when this will be used
Feeling	<ul style="list-style-type: none"> Unsure about which document needs to be updated. 	<ul style="list-style-type: none"> Thankful that changed fields are highlighted. 	<ul style="list-style-type: none"> Bored of having to do this tedious task. 	<ul style="list-style-type: none"> Happy about not having to manually check everything. 	
Opportunities			<ul style="list-style-type: none"> Automatically edit the document according to the validation 		

User Story Maps

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