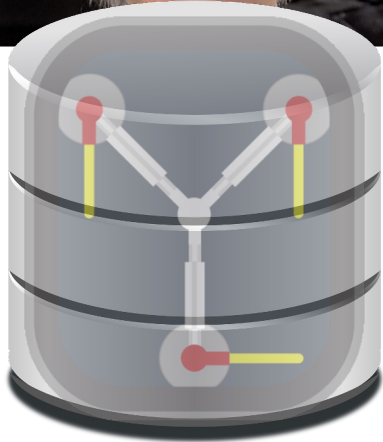


A NYU badge, a time-traveling quest,
Coordinating this journey's the best!
Through decades we'll zip,
With a futuristic flip,
Your badge will unlock every flick!

Google Gemini

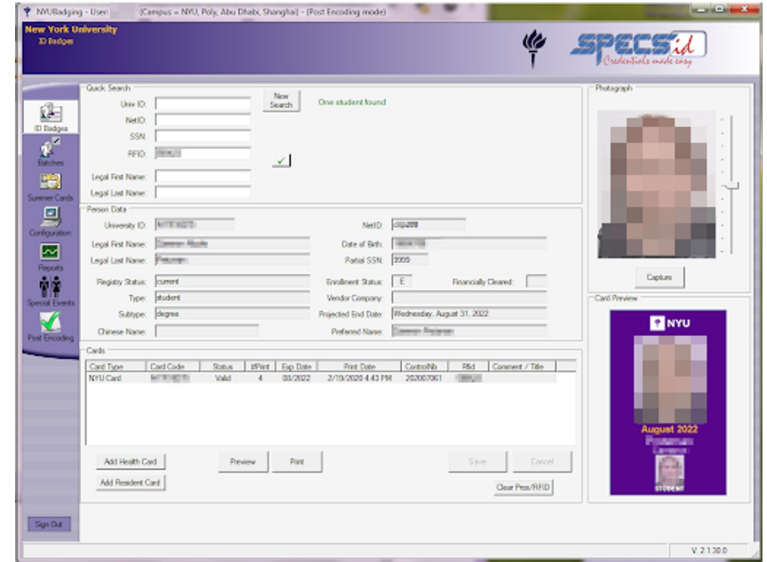


Why we are making this leap into the future?



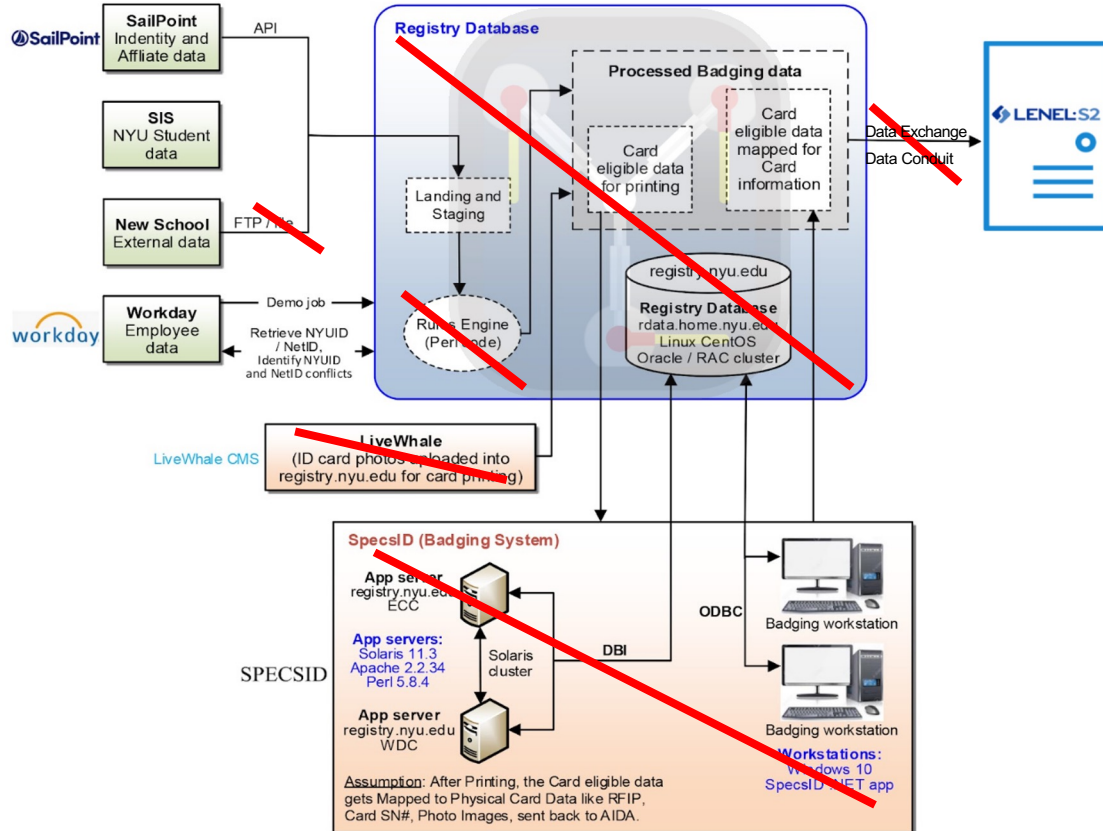
Registry

Legacy Badging Solution

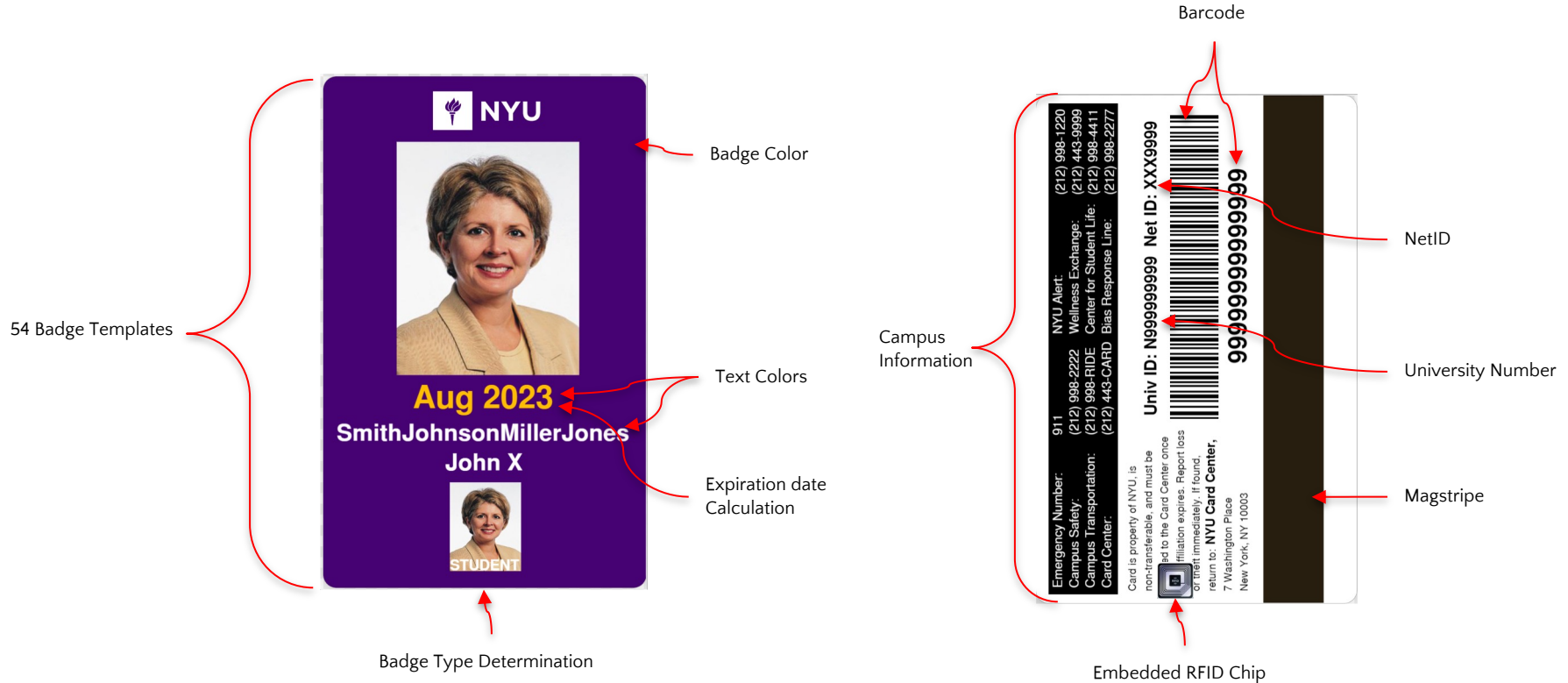


SpecsID

Why we are making this leap into the future?



What goes into to making a badge?



The Rules

Basic Eligibility determined by Sailpoint. Additional data added from HR and SIS

Employee

If Sailpoint tells us the person is an employee they are eligible.

Some exceptions apply

Affiliate

Any type of person that is not a student or employee. Contractors, Family members, Adjuncts, etc.

If sailpoint tells us they are an affiliate, we verify their dates and make them eligible accordingly to those.

Some exceptions apply

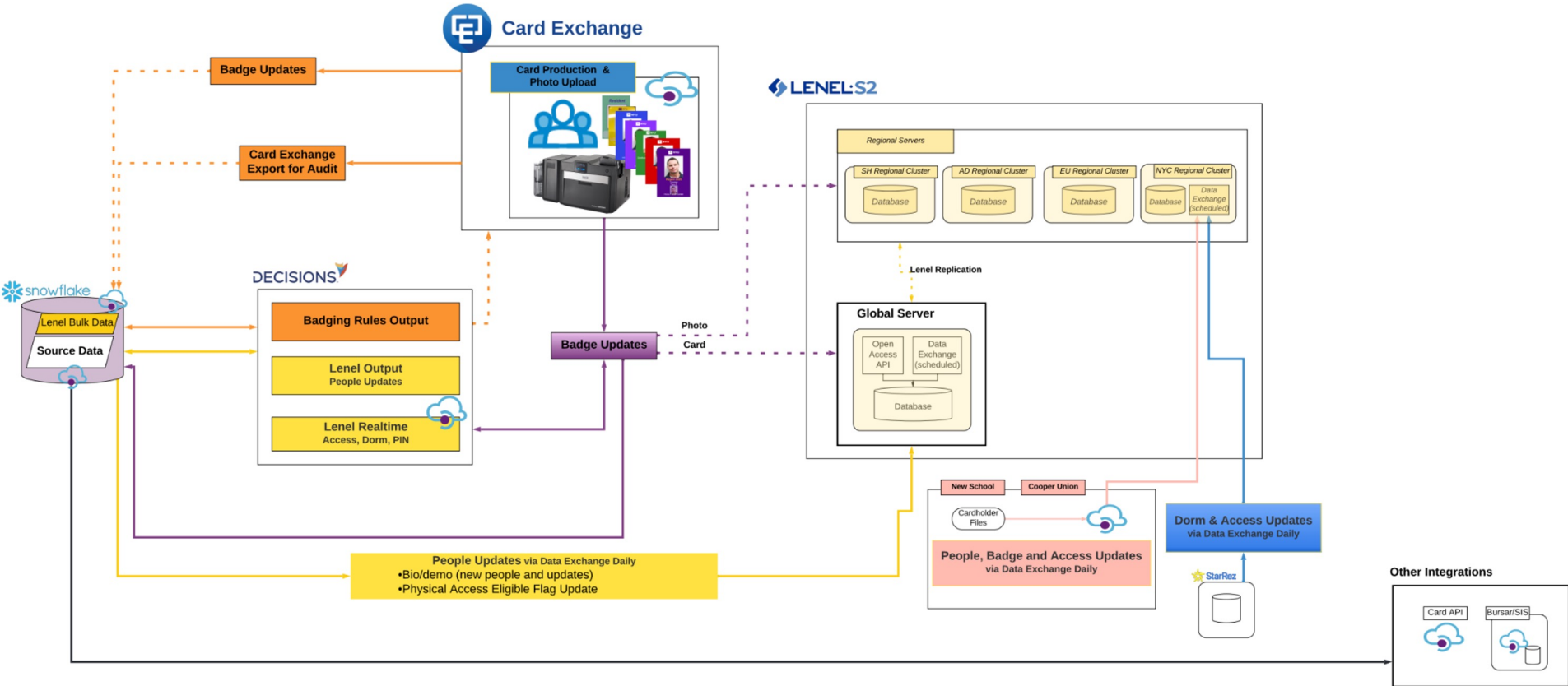
Students

General rule for students states that any **term activated student** in previous term, current term, or future term will be eligible during the defined start and end date, per the semester on their record.

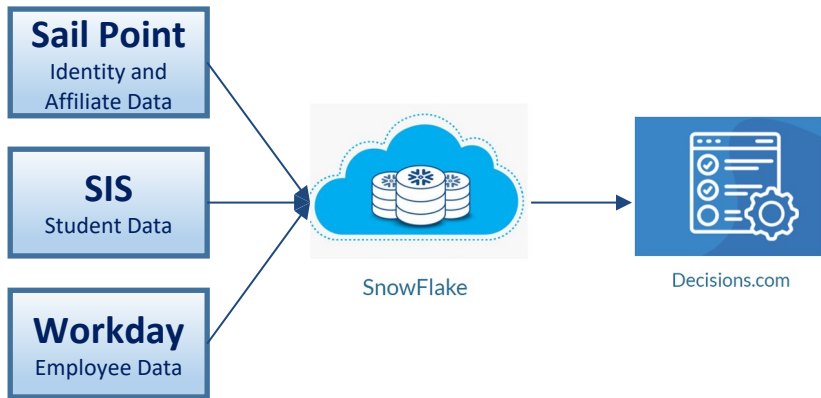
Some exceptions apply

Exceptions:

- People under 18 have special rules
- Adjuncts have special rules
- Some Students need to be enrolled to be eligible
- Extensions to expiration dates for certain populations
- Special job codes have special rules



Birth of the Badge



Row	UNIVERSITY_ID	AFFILIATION_TYPE	AFFILIATION_SUBTYPE	FUTURE_AFFILIATION	FUTURE_AFFILIATION	PRIMARY_SITE
1	N10799648	employee	administrator	NULL	NULL	New York City

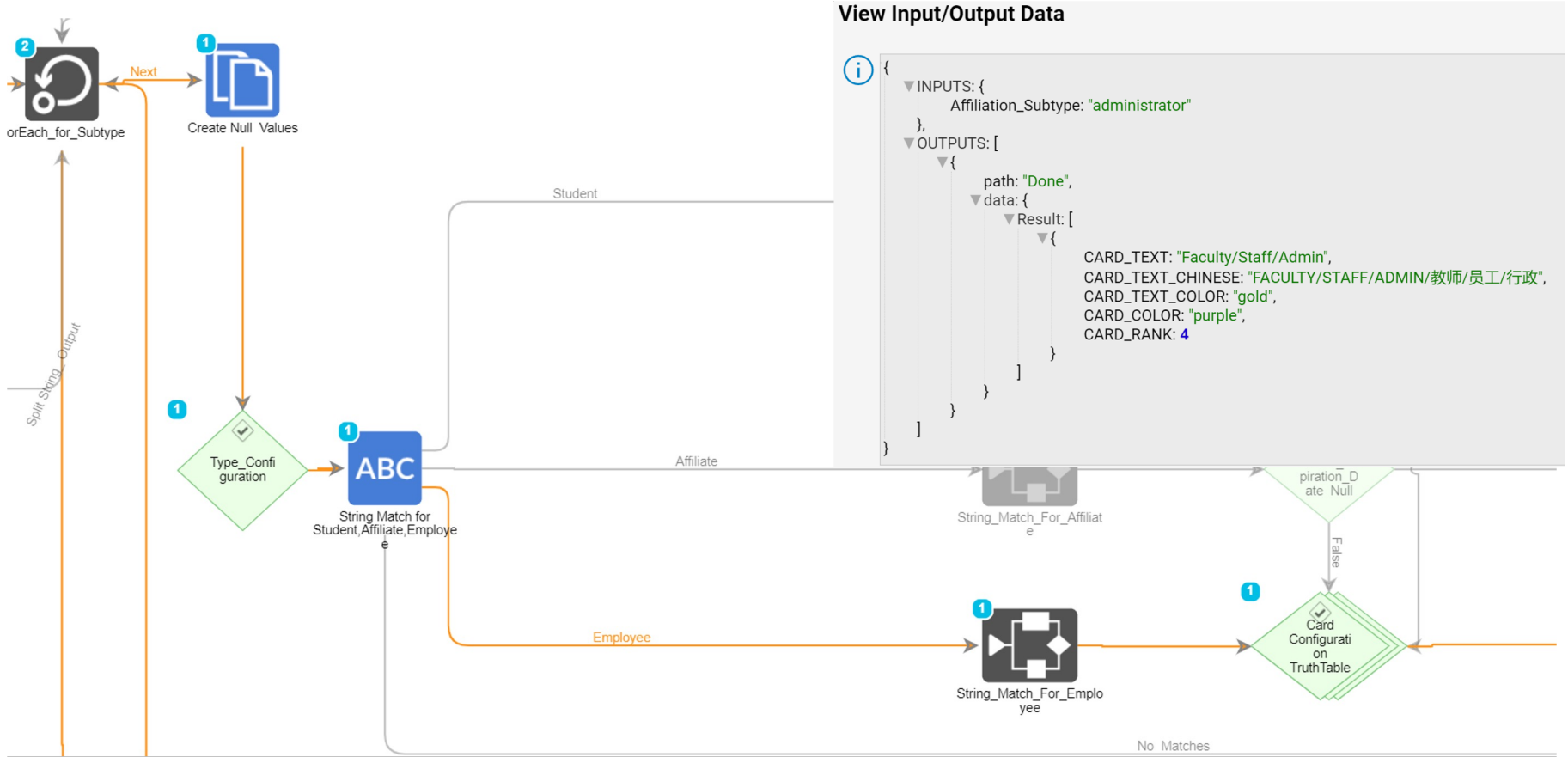
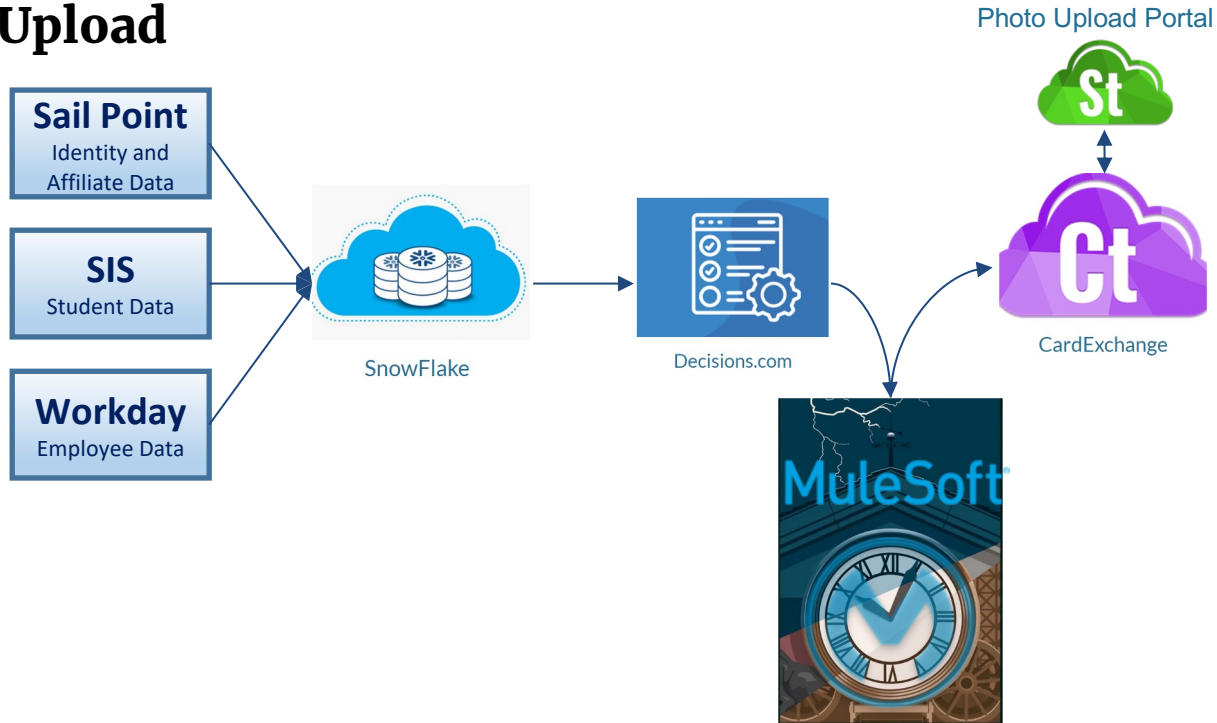
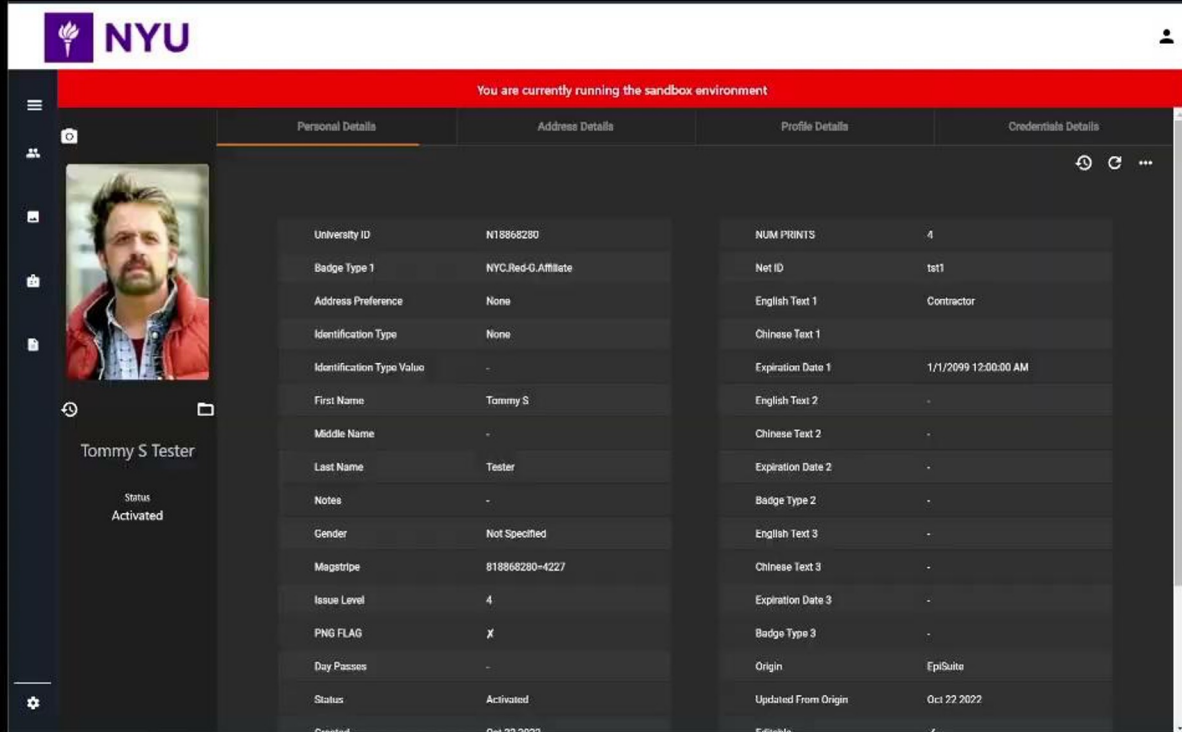


Photo Upload



Printing



NYU

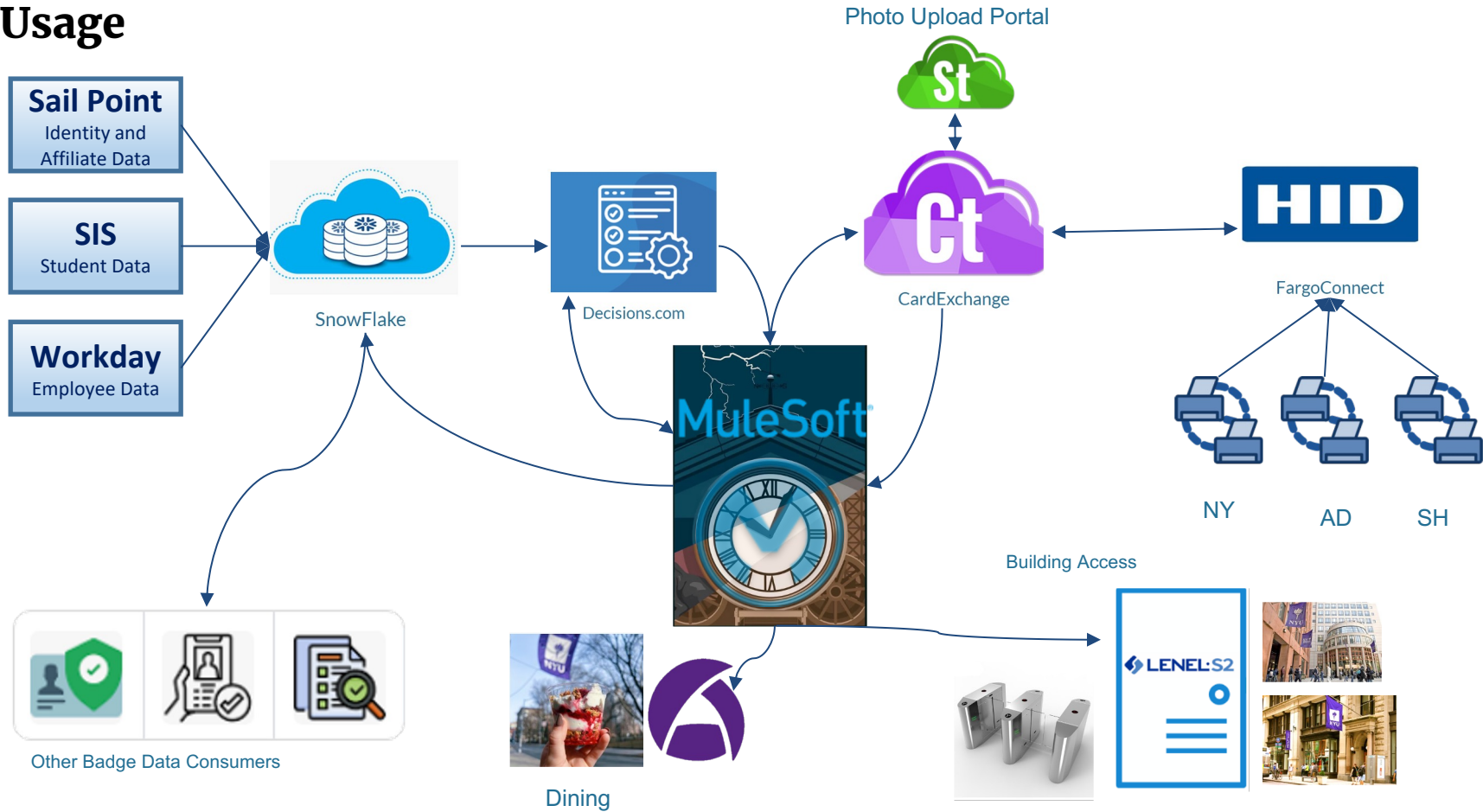
You are currently running the sandbox environment

Tommy S Tester

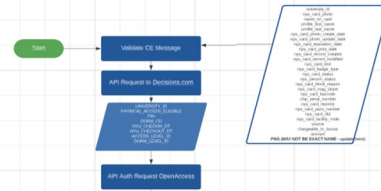
Status: Activated

Personal Details	Address Details	Profile Details	Credentials Details
University ID	N18868280	NUM PRINTS	4
Badge Type 1	NYC.Red-G.Affiliate	Net ID	tst1
Address Preference	None	English Text 1	Contractor
Identification Type	None	Chinese Text 1	
Identification Type Value	-	Expiration Date 1	1/1/2099 12:00:00 AM
First Name	Tommy S	English Text 2	-
Middle Name	-	Chinese Text 2	-
Last Name	Tester	Expiration Date 2	-
Notes	-	Badge Type 2	-
Gender	Not Specified	English Text 3	-
Magstripe	818868280-4227	Chinese Text 3	-
Issue Level	4	Expiration Date 3	-
PNG FLAG	X	Badge Type 3	-
Day Passes	-	Origin	EpiSuite
Status	Activated	Updated From Origin	Oct 22 2022
Created	Oct 22 2022	Editable	-

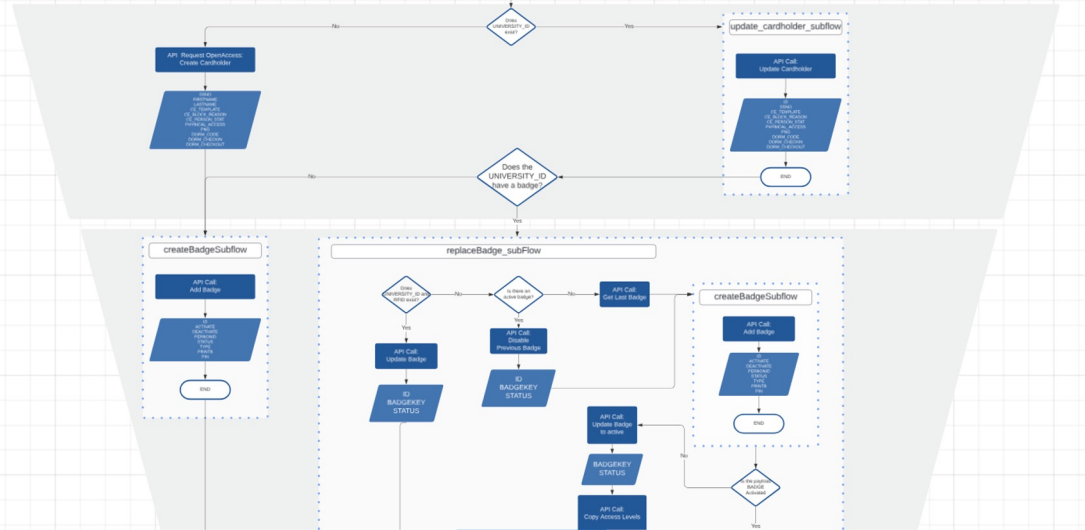
Badge Usage



Realtime Open Access Integration



[Badge Flow Logical](#)
[& Technical](#)



Cardholder	Badge	Access Levels	Authorized Credential	Visits	Directory Accounts	Logical Access	Guard Tours	Reports
Last Name <input type="text" value="Rudin"/>	First Name <input type="text" value="Michael"/>	Middle Name <input type="text" value="A."/>	Home Site <input type="text" value="Steele Hall - 21st Flg"/>	PNG <input type="checkbox"/>	Physical Access Eligible <input type="checkbox"/>			
Cardholder ID <input type="text" value="10000000000000000000"/>	Net ID <input type="text" value="m.rudin"/>	Primary Type <input type="text" value="employee"/>	Primary Subtype <input type="text" value="administrator"/>	Cardholder Record Last Changed <input type="text" value="6/13/2024 10:44:23 AM"/>				
School Name <input type="text" value="NYU"/>	School Code <input type="text" value="100"/>	Division <input type="text" value="NYU IT"/>	Card Template <input type="text" value="NYC.Purple-G.Employee"/>		Card Exchange Eligible <input type="text" value="YES"/>			
Department <input type="text" value="Campus Services Solutions"/>	Employee Type <input type="text" value="Full time"/>		Card Exchange Person Status <input type="text" value="Activated"/>		Card Block Reason <input type="text" value=""/>			
Student Type <input type="text" value=""/>	Employee Status <input type="text" value="Active"/>		<div style="border: 1px solid gray; padding: 2px;"> <small> [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] </small> </div>					
Enrollment Status <input type="text" value=""/>	TERM <input type="text" value=""/>	Expected Graduation <input type="text" value=""/>	Building <input type="text" value="Steele Hall"/>	Bobst PIN <input type="text" value=""/>				
Dorm Code <input type="text" value=""/>	Dorm Check In/Out <input type="text" value=""/>		Bulk Import <input type="text" value=""/>					
			Open Flag <input type="text" value=""/>					
			Free Field <input type="text" value=""/>					
Badge Type <input type="text" value="Employee"/>		Badge ID <input type="text" value=""/>		Badge Status <input type="text" value="Active"/>		Activate Date <input type="text" value=""/>		Deactivate Date <input type="text" value=""/>
		Times Printed <input type="text" value="0"/>		Issue code <input type="text" value="0"/>		Badge Last Changed <input type="text" value="4/22/2024 11:56:44 AM"/>		



[Cardholder](#)
[Badge](#)
[Access Levels](#)
[Authorized Credential](#)
[Visits](#)
[Directory Accounts](#)
[Logical Access](#)
[Guard Tours](#)
[Reports](#)

Last Name: First Name: Middle Name: Home Site: PNG: Physical Access Eligible:

Cardholder ID: Net ID: Primary Type: Primary Subtype: Cardholder Record Last Changed:



Show levels for badge ID (issue code):

Show inactive badges

Access Levels	Activate	Deactivate	Intrusion Authority	Assignment Type	Segment
<input checked="" type="checkbox"/> BRK_ [Script]				Standard	PSPOLY-REG
<input checked="" type="checkbox"/> WSQ_ [Script]				Standard	PSWSQ-REG
<input checked="" type="checkbox"/> WSQ_ [Script]				Standard	PSWSQ-REG
<input checked="" type="checkbox"/> WSQ_ [Script]				Standard	PSWSQ-REG
<input checked="" type="checkbox"/> WSQ_ [Script]				Standard	PSWSQ-REG

Show unassigned levels 5 levels assigned

Badge Type:

Badge ID:

Badge Status:

Activate Date:

Deactivate Date:

Times Printed:

Issue code:

Badge Last Changed

Replication:

End Result: A flexible and manageable platform ready for future growth and capabilities.

Four-Year Journey: Transitioned from the old Badging solution after 20+ years of service.

A collaborative effort between Campus Safety, App Team, Data Team, Infrastructure Team, multiple vendors and VARs.

Global Impact: 3 main sites and 12 Global sites.

Resilience and Innovation: Showcased patience, resilience, and unwavering dedication throughout the project. Embraced complexity, critical thinking, architecture design, data flow management, and API development.

- **Lenel Custom Solution Sunset:** Phased out the outdated Lenel Custom Solution.
- **Open Access:** no more Data Conduit!
- **New Technologies Introduced:** Processing ~150,000 possible cardholders
 - **Decisions.com:** Rules Engine for defined, documented, web-based, and easily accessible rules.
 - **Mulesoft:** Facilitated seamless data transfer.
 - **AWS S3 Bucket:** Enabled file drops for integrations.
 - **ActiveMQ:** Managed bulk API calls with a robust message queue.
 - **Kibana:** Enhanced API log management.
- **Rules defined and documented:** Web based, easily accessible, manageable and flexible
- **Three-day marathon migration** with meticulous planning and execution.



THANK YOU