BLUEcloud Analytics:

Roadmap with new and upcoming capabilities

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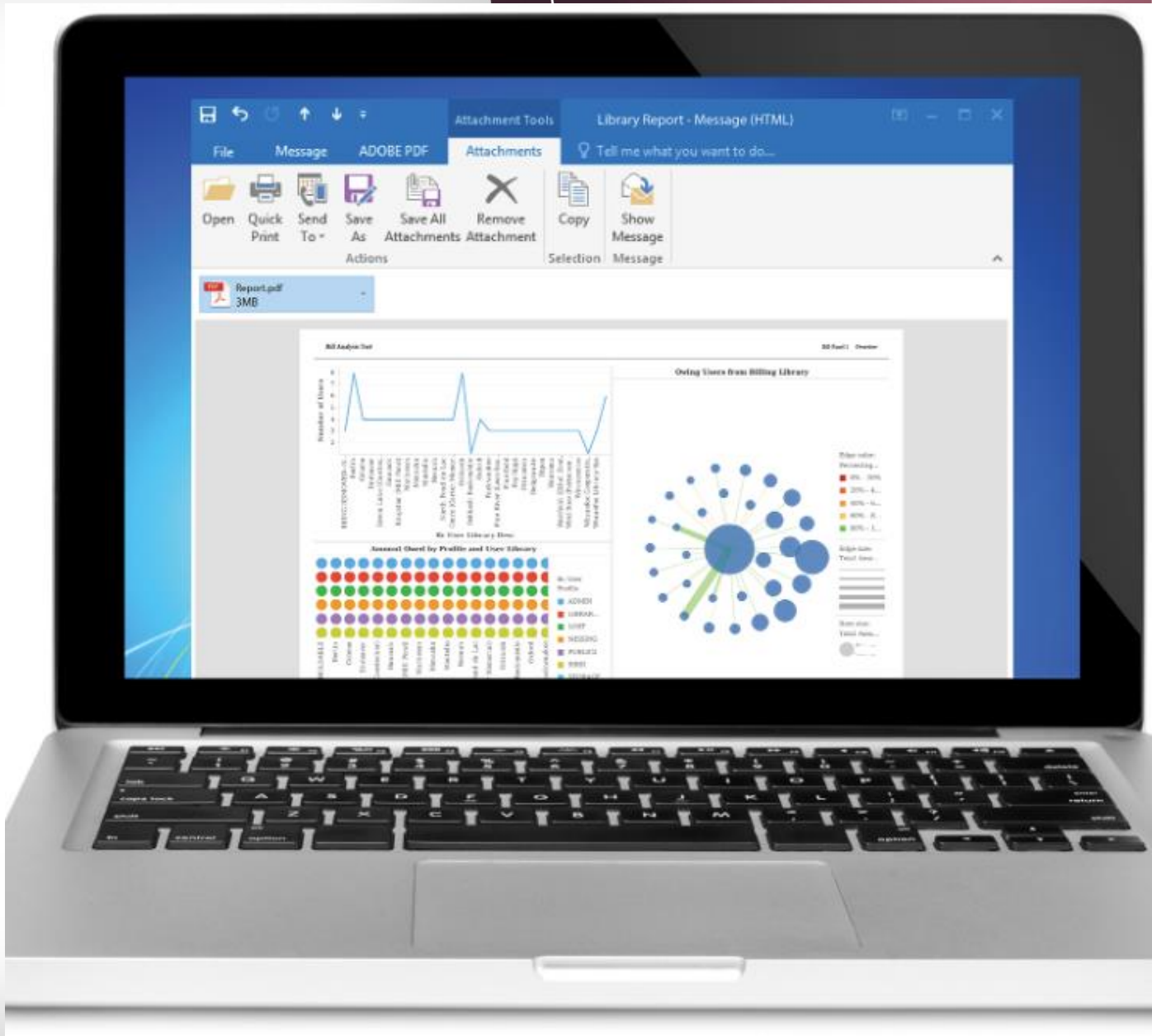
Director of BC Analytics

Agenda

- Overview
- Technical Updates
- Pilot Updates
  - ODBC connections & Push API
  - BCA Private Suite
- Platform Analytics!

What is BLUEcloud Analytics?

- Enterprise-level Analytics and Reporting tool
- Big picture overview with professional visualizations
- Ability to drill down to granular view
- Includes ILS and external data sets
- Leverages MicroStrategy



Technical Updates

- Ongoing Maintenance
  - Efforts to improve existing infrastructure transform times & performance
- MicroStrategy ONE update 10 – release planning underway
  - Currently on 2021 platform u 6 (2021 = ONE)
  - Continued improvement to dossier functionality
- Dossiers are the future!
  - Updated training & development of a “Dossier Catalog”
- Major Infrastructure Upgrade
  - Replace existing BCA warehouse and ETL processes

Pilot Update: ODBC Connection

- Direct connection to ILS data
  - Not designed to replace existing ETL (Extract Transform Load) process
  - Create custom cubes using freeform SQL queries
  - Useful for reporting on data that is updated more frequently, not currently available in BCA, or not in the desired format
    - Examples:
      - cash management
      - current shelving information
      - item and user counters for notices

Pilot Update: ODBC Connection

Horizon

- Currently Available to SAAS sites
- Release planning underway for locally hosted sites using Stunnel to secure connection
- Easier path to using BCA for existing Web Reporter customers using existing SQL queries

Symphony

- piloting ODBC with SAAS sites
- SQL creation is trickier
- Symphony is made up of flat files & database components
- Requires additional joins for policy translation
    - Future BCA section on SDSC developers' site
- Begin pilot with locally-hosted Symphony using Stunnel

Pilot Update: BCA Push API

- Automated Push API for 3rd party data-sets
- MicroStrategy Web Service calls in JSON format
  - Requires coding by customer (scripting knowledge)
- Investigating potential Service Catalog offering

Pilot Update: BCA Private Suite Add-on

- *Formerly known as Private Intelligence Server*
- Why was it called Private Intelligence Server?
  - The original component sold to customers was for the MicroStrategy Intelligence server (core) component
    - Offered better subscription handling/performance/etc.
  - Over the last year, working with customers as part of a pilot process we've expanded on the original components and functionality

Pilot Update:
BCA Private Suite Add-on

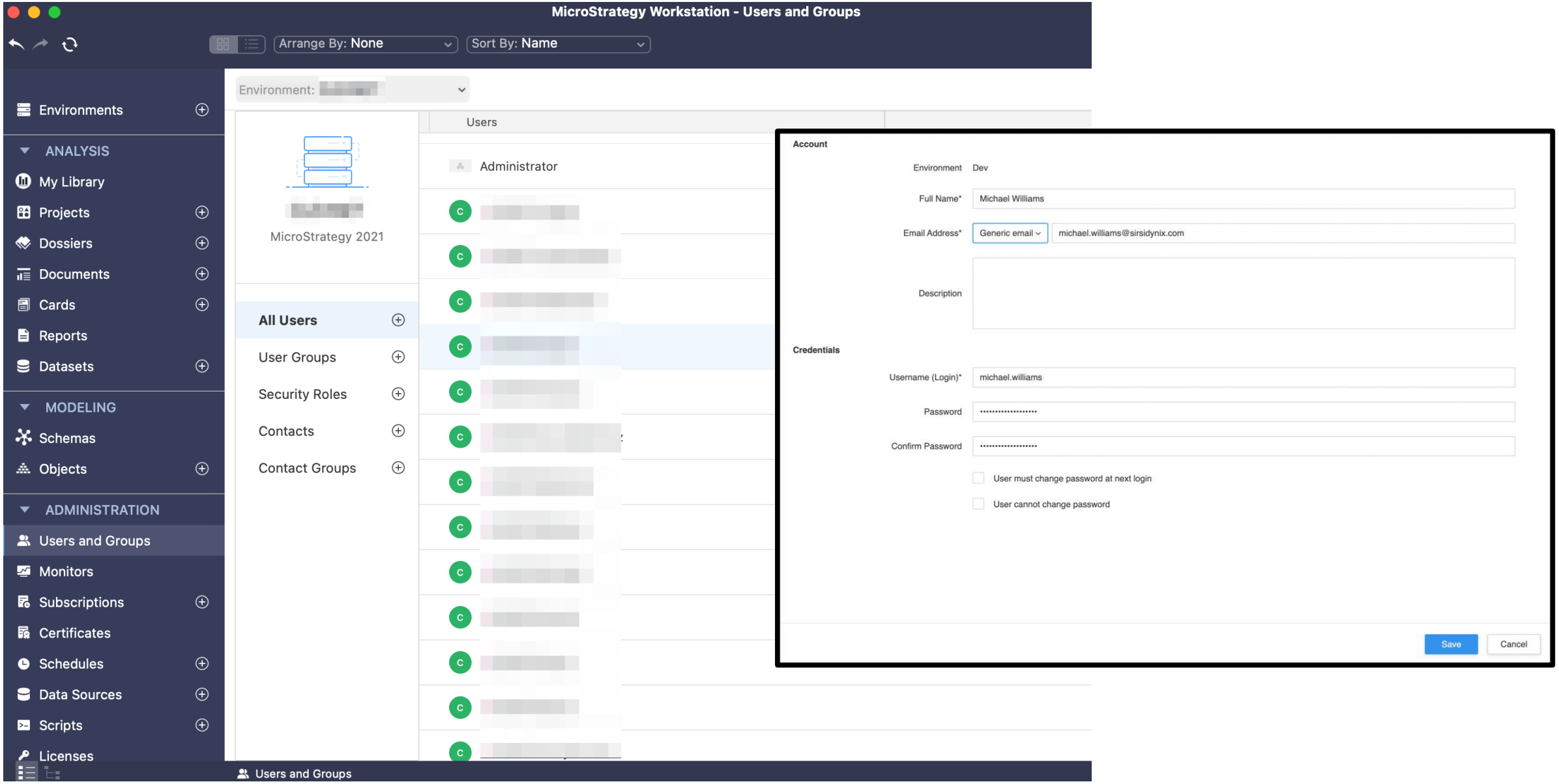
- Dedicated components (hosted by SirsiDynix)
  - Intelligence Server
  - Web server
  - MicroStrategy API/Library Server
  - Platform Analytics
- Additional configuration options
- Additional administrative control
- Improved troubleshooting

Pilot Update: BCA Private Suite

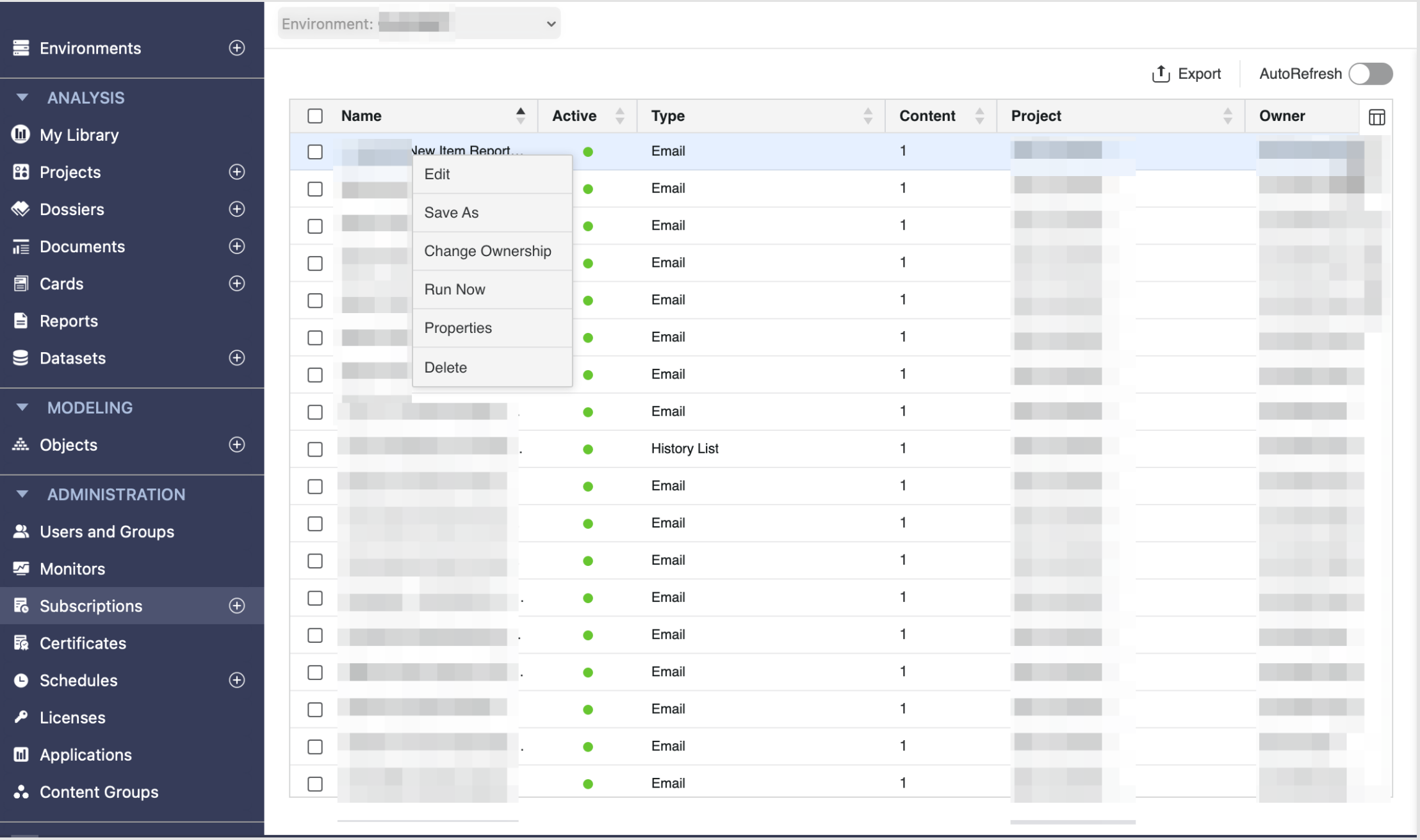
Enhanced Configuration & Administration Pilot Testing Areas

- MicroStrategy Workstation (locally installed client)
  - User management (edit existing users/modify passwords)
  - Subscription & Schedule management
  - Monitor jobs, cubes & caches
  - Create security filters to limit access to PII data
  - Add 3rd party data using built-in connectors like Google Drive etc
- MicroStrategy Library interface (new web interface)
  - Designed for consumers (presentation mode)
  - Responsive
  - Administrators can certify content
  - Create content groups
  - Branded applications
- MicroStrategy API
  - Embedding options

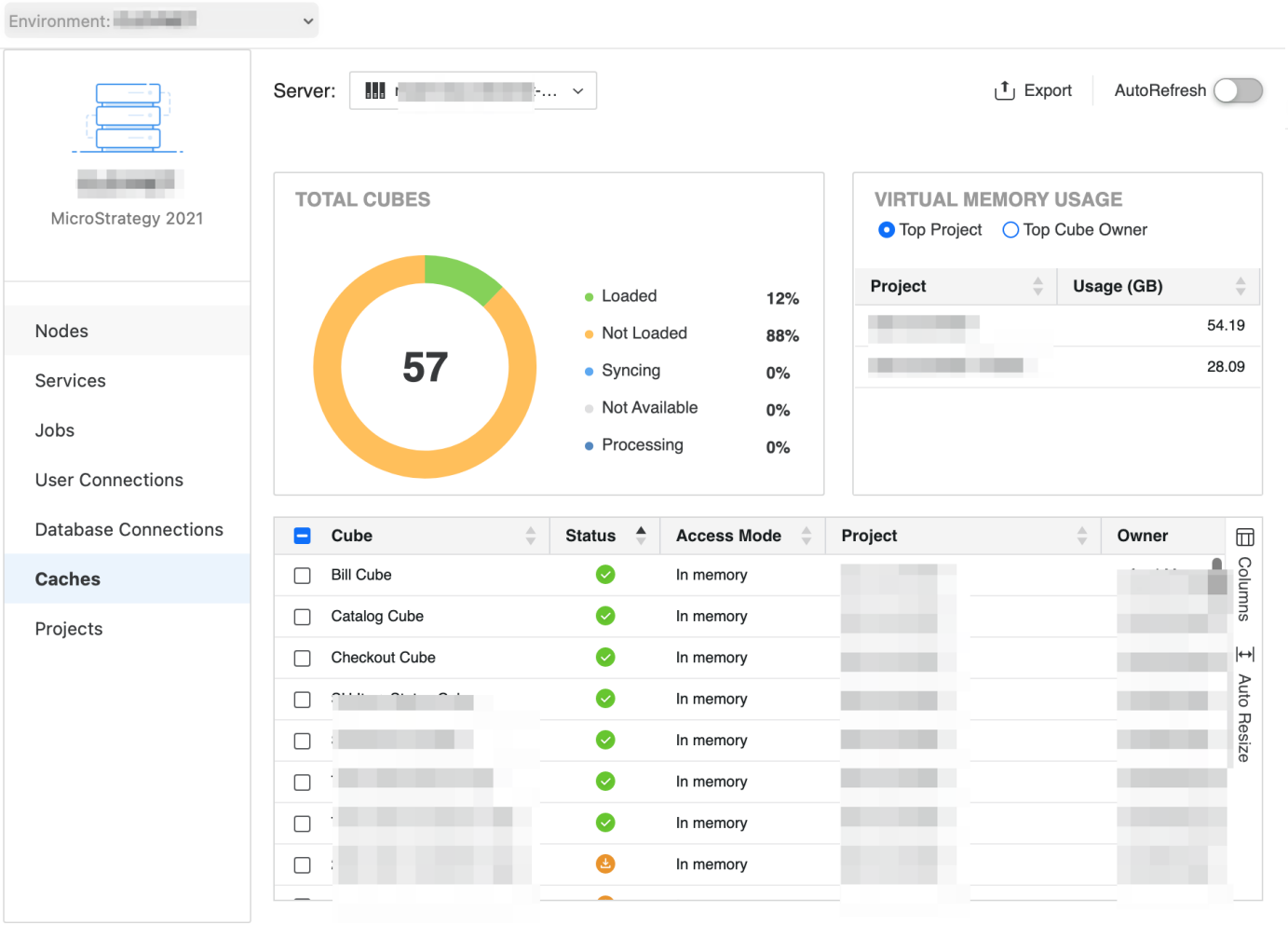
MicroStrategy Workstation

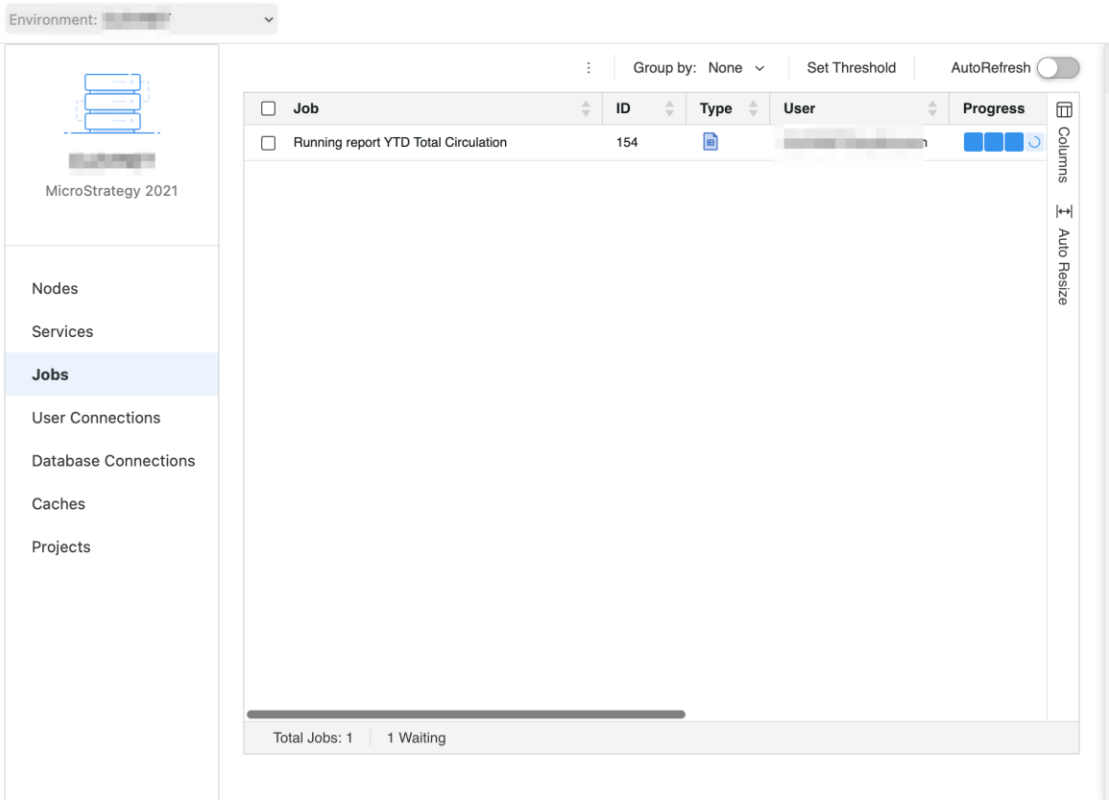


Manage Subscriptions & Schedules



Monitor Jobs & Caches





Platform Analytics!

-available with August BLUEcloud release

Monitoring platform – How is BCA being used?

- Track user activity/manage inactive accounts
- Review popular reports
- Track report usage for accountability purposes
- Identify & balance subscriptions for better performance
- Identify subscriptions to transfer with staffing changes

Private Suite customers

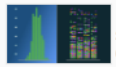
- direct access to delivered dossier

Multi-tenant customers

- receive monthly emailed reports (2 emails w/attached spreadsheet)
- open a case on the SDSC to “opt-in”

BCA Private Suite: Platform Analytics Delivered Dossier

CONTENTS



2 Chapters
6 Pages

- **Activity**
  - Timeline
  - User Activity
  - Popular Reports
- **Subscriptions**
  - Active Subscriptions
  - Subscription Timeline
  - Schedule Helper

Date (UTC)	Account Login	Object Name	Object GUID	Object Type	Contains Errors
From: 23/05/2023	Search Account Login	Search Object Name	Search Object GUID	(All)	(All)
To: 22/06/2023					No
					Yes

Timeline (Excluding Subscriptions)

Timestamp (UTC)	Account Login	Object GUID	Object Name	Object Type	Action Type	Status Description	Executions	Errors	Execution Tim
Total							7,442	479	
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		5FCCE901ED40EE011364C2B219832D38		Data Import Cube	Load Cube Cache	Success	1	0	
2023-06-21 2:00 pm		43FA5FC7954E37534D94EBA927358028		Data Import Cube	Load Cube Cache	Success	1	0	
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2023-06-21 1:29 pm		675D2FB611EBDAF643E50080EFE59795		Grid Report	Execute	-2147209196:(Job 8 canceled.)	1	1	
		832A96B91F4624BBDD20B4A50E6138C2		Element Load Objects	Execute	Success	1	0	
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		4825540A644E4C01D536119641DC32DC		Element Load Objects	Execute	Success	1	0	
2023-06-21 1:00 pm		43FA5FC7954E37534D94EBA927358028		Data Import Cube	Load Cube Cache	Success	1	0	
		5C37ACAD234C4B65D1B597BD540E71D		Data Import Cube	Load Cube Cache	Success	1	0	
		5FCCE901ED40EE011364C2B219832D38		Data Import Cube	Republish cube data via replace	Success	1	0	
				Data Import Cube	Load Cube Cache	Success	1	0	
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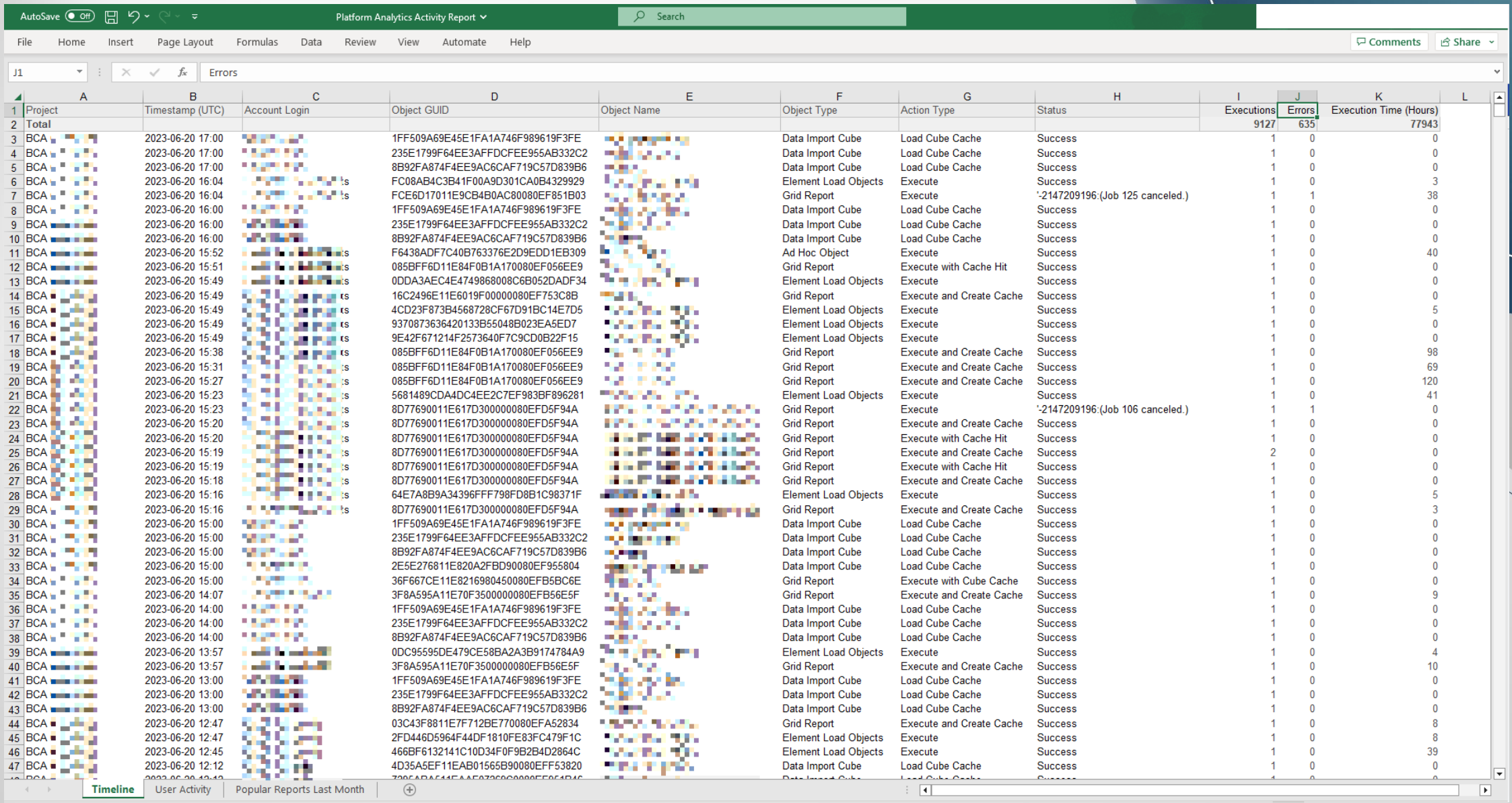
		5C37ACAD234C4B65D1B597BD540E71D		Data Import Cube	Load Cube Cache	Success	1	0	
		5FCCE901ED40EE011364C2B219832D38		Data Import Cube	Load Cube Cache	Success	1	0	

Platform Analytics Spreadsheets



AutoSave Off | Platform Analytics Activity Report | Search

File Home Insert Page Layout Formulas Data Review View Automate Help | Comments | Share

J1 | Errors

	A	B	C	D	E	F	G	H	I	J	K	L
1	Project	Timestamp (UTC)	Account Login	Object GUID	Object Name	Object Type	Action Type	Status	Executions	Errors	Execution Time (Hours)	
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6	BCA	2023-06-20 16:04		FC08AB4C3B41F00A9D301CA0B4329929		Element Load Objects	Execute	Success	1	0	3	
7	BCA	2023-06-20 16:04		FCE6D17011E9CB4B0AC80080EF851B03		Grid Report	Execute	'-2147209196:(Job 125 canceled.)	1	1	38	
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12	BCA	2023-06-20 15:51		085BFF6D11E84F0B1A170080EF056EE9		Grid Report	Execute with Cache Hit	Success	1	0	0	
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25	BCA	2023-06-20 15:19		8D77690011E617D300000080EFD5F94A		Grid Report	Execute and Create Cache	Success	2	0	0	
26	BCA	2023-06-20 15:19		8D77690011E617D300000080EFD5F94A		Grid Report	Execute with Cache Hit	Success	1	0	0	
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35	BCA	2023-06-20 14:07		3F8A595A11E70F3500000080EFB56E5F		Grid Report	Execute and Create Cache	Success	1	0	9	
36	BCA	2023-06-20 14:00		1FF509A69E45E1FA1A746F989619F3FE		Data Import Cube	Load Cube Cache	Success	1	0	0	
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46	BCA	2023-06-20 12:45		466BF6132141C10D34F0F9B2B4D2864C		Element Load Objects	Execute	Success	1	0	39	
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Timeline | User Activity | Popular Reports Last Month

Questions?