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Using Datasets

Easier Data Exploration, Preparation and Analysis

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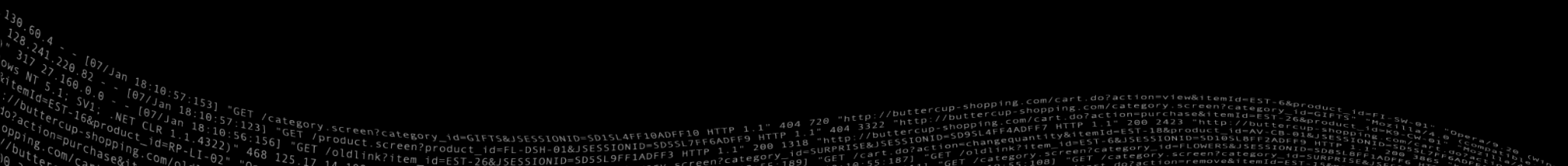
Agenda

- What are Datasets?
- Types of Datasets
- Using Datasets
- Datasets: Listing, Viewing, Editing
- Demo
- Questions



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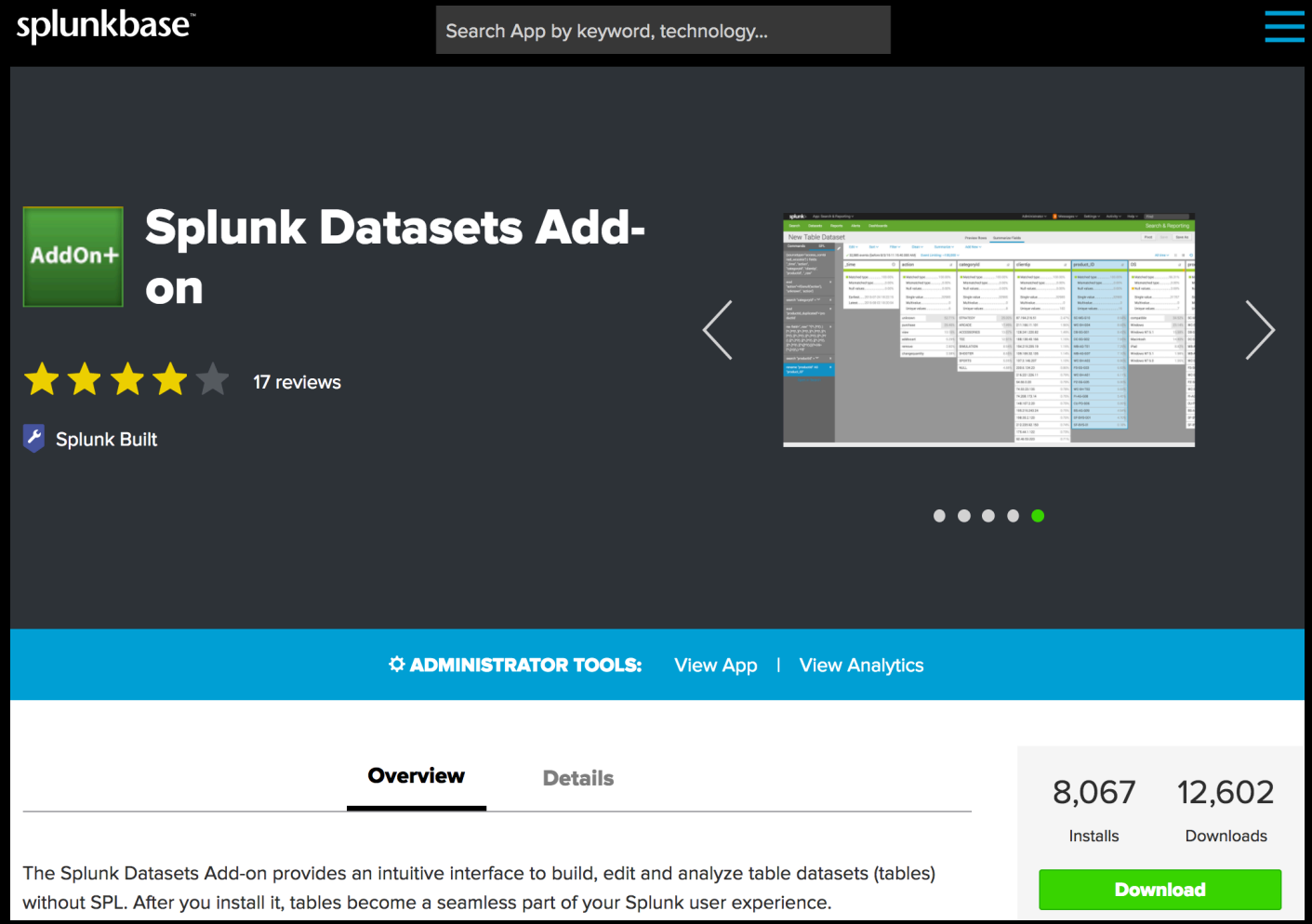
What Are Datasets?

- **Building Blocks**
  - Source Data
  - SPL
  - Schema
- **Unified Endpoint**
  - List
  - View
  - Search
  - Edit
  - Analyze



Types Of Datasets

Lookups

- **What**: Static data (CSV)
  Dynamic data (Script)
  DBConnect (SQL)
- **Why**: Enrich search-based datasets by adding fields from external sources
- **Where:** Lookups
  Transforms.conf

Data Model (Objects)

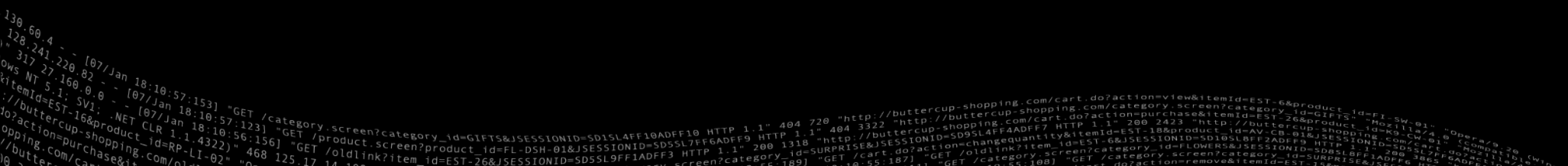
- **What**: search-based datasets with a hierarchical structure, grouped as "Data Models".
- **Why:** Establishing hierarchical relationships with domain knowledge. (top-down)
- **Where:** Data Model Editor
  Datasets.conf (JSON)

Tables*

New!

- **What:** Tabular, search-based dataset (similar to the individual objects in a DM)
- **Why:** Agile creation and iterative refinement.
  (bottom-up)
- **Where:** Table Editor*
  Datamodels.conf (JSON)

* Available with the Tables Add-On (Table Datasets)



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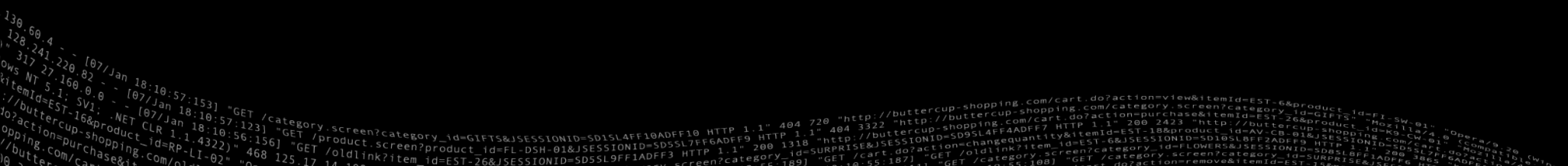
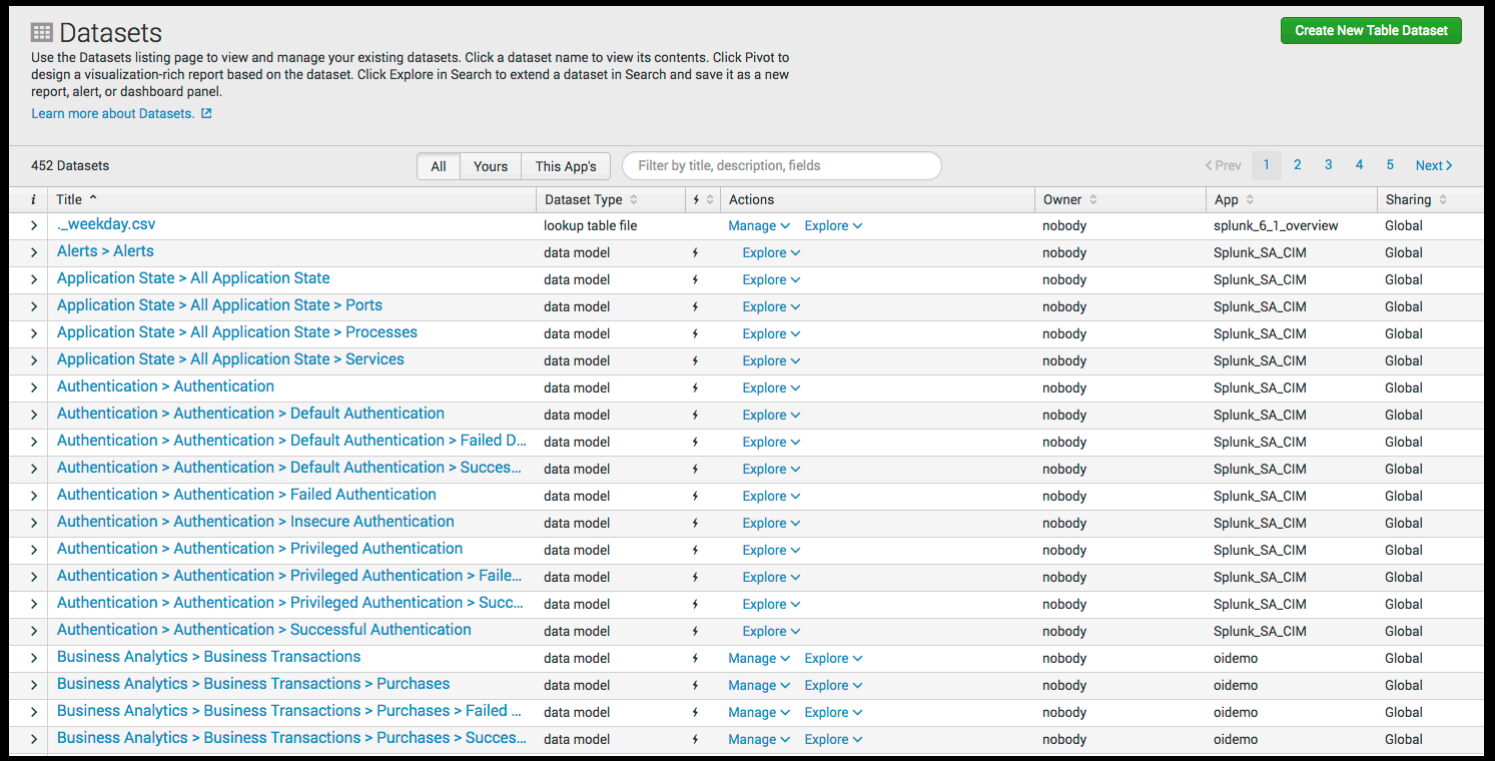
Using Datasets

- Datasets can be extended, forming a parent/child model of inheritance
- Datasets can be queried
  - | *from type:"name"* | *eval ...* | *search ...* | *stats ...*
- Datasets can be accelerated
- Datasets can be pivoted
- Datasets can be data model objects



Datasets: Listing

- Manage table datasets, data model datasets, and lookups in one place
- Define acceleration and permissions
- Search for datasets based on name and contained fields



Datasets

Use the Datasets listing page to view and manage your existing datasets. Click a dataset name to view its contents. Click Pivot to design a visualization-rich report based on the dataset. Click Explore in Search to extend a dataset in Search and save it as a new report, alert, or dashboard panel.

Learn more about Datasets.

Create New Table Dataset

452 Datasets | All | Yours | This App's | Filter by title, description, fields | < Prev 1 2 3 4 5 Next >

Title	Dataset Type	Actions	Owner	App	Sharing
._weekday.csv	lookup table file	Manage Explore	nobody	splunk_6_1_overview	Global
Alerts > Alerts	data model	Explore	nobody	Splunk_SA_CIM	Global
Application State > All Application State	data model	Explore	nobody	Splunk_SA_CIM	Global
Application State > All Application State > Ports	data model	Explore	nobody	Splunk_SA_CIM	Global
Application State > All Application State > Processes	data model	Explore	nobody	Splunk_SA_CIM	Global
Application State > All Application State > Services	data model	Explore	nobody	Splunk_SA_CIM	Global
Authentication > Authentication	data model	Explore	nobody	Splunk_SA_CIM	Global
Authentication > Authentication > Default Authentication	data model	Explore	nobody	Splunk_SA_CIM	Global
Authentication > Authentication > Default Authentication > Failed D...	data model	Explore	nobody	Splunk_SA_CIM	Global
Authentication > Authentication > Default Authentication > Succes...	data model	Explore	nobody	Splunk_SA_CIM	Global
Authentication > Authentication > Failed Authentication	data model	Explore	nobody	Splunk_SA_CIM	Global
Authentication > Authentication > Insecure Authentication	data model	Explore	nobody	Splunk_SA_CIM	Global
Authentication > Authentication > Privileged Authentication	data model	Explore	nobody	Splunk_SA_CIM	Global
Authentication > Authentication > Privileged Authentication > Faile...	data model	Explore	nobody	Splunk_SA_CIM	Global
Authentication > Authentication > Privileged Authentication > Succ...	data model	Explore	nobody	Splunk_SA_CIM	Global
Authentication > Authentication > Successful Authentication	data model	Explore	nobody	Splunk_SA_CIM	Global
Business Analytics > Business Transactions	data model	Manage Explore	nobody	oidemo	Global
Business Analytics > Business Transactions > Purchases	data model	Manage Explore	nobody	oidemo	Global
Business Analytics > Business Transactions > Purchases > Failed ...	data model	Manage Explore	nobody	oidemo	Global
Business Analytics > Business Transactions > Purchases > Succes...	data model	Manage Explore	nobody	oidemo	Global

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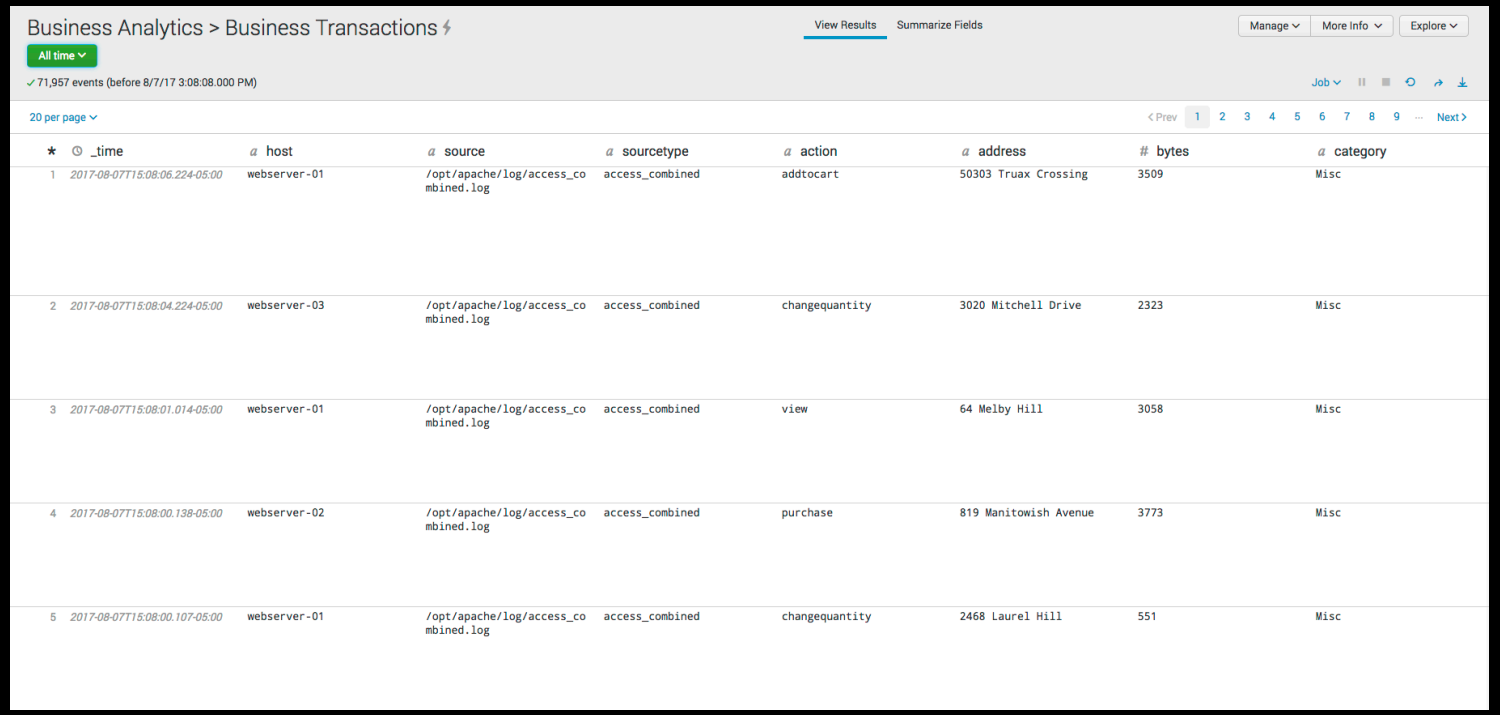
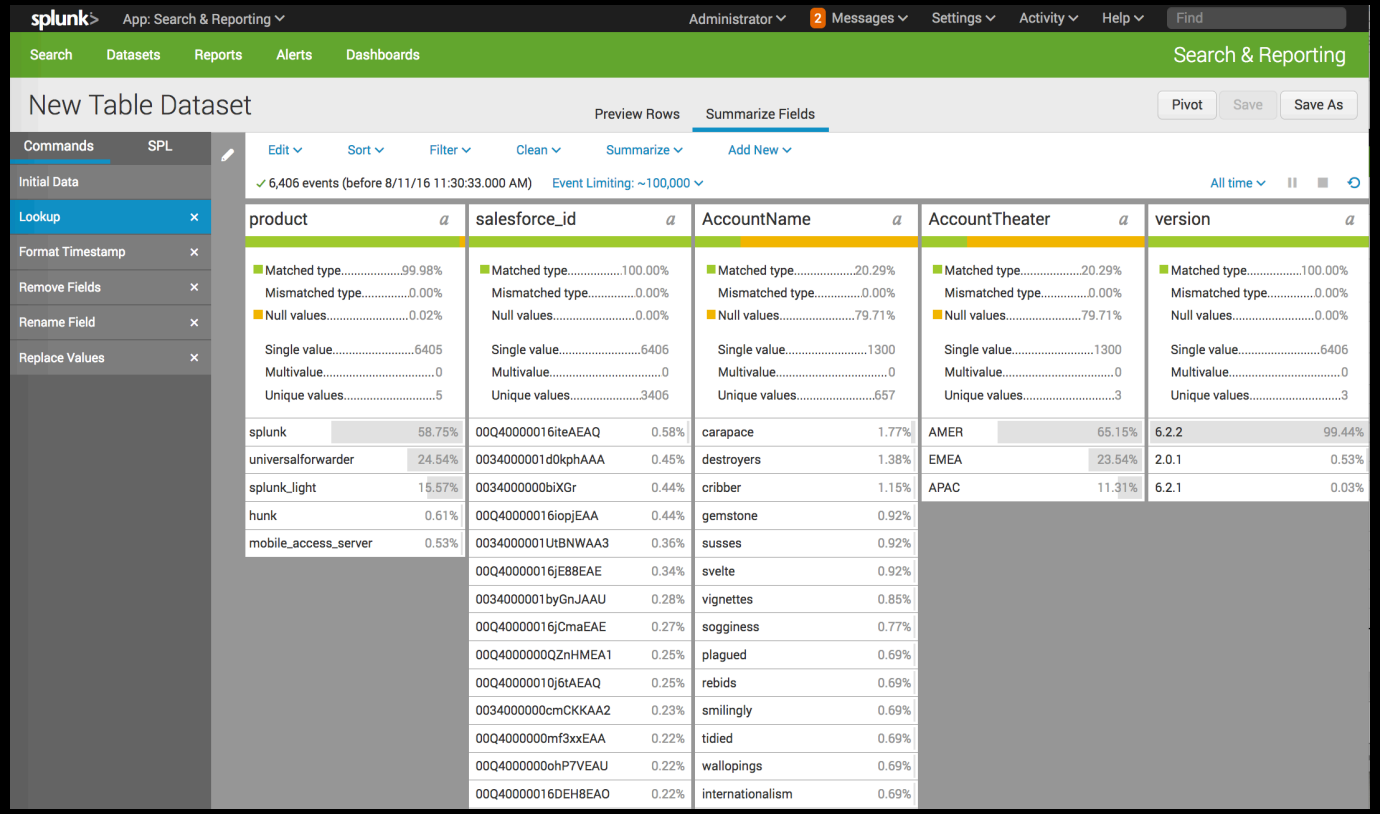
Datasets: Viewing

- Explore existing dataset
- Two views (read only):
  - Preview Rows (table)
  - Summarize Fields (field stats)
- Filter data by time range
- Manage dataset search jobs

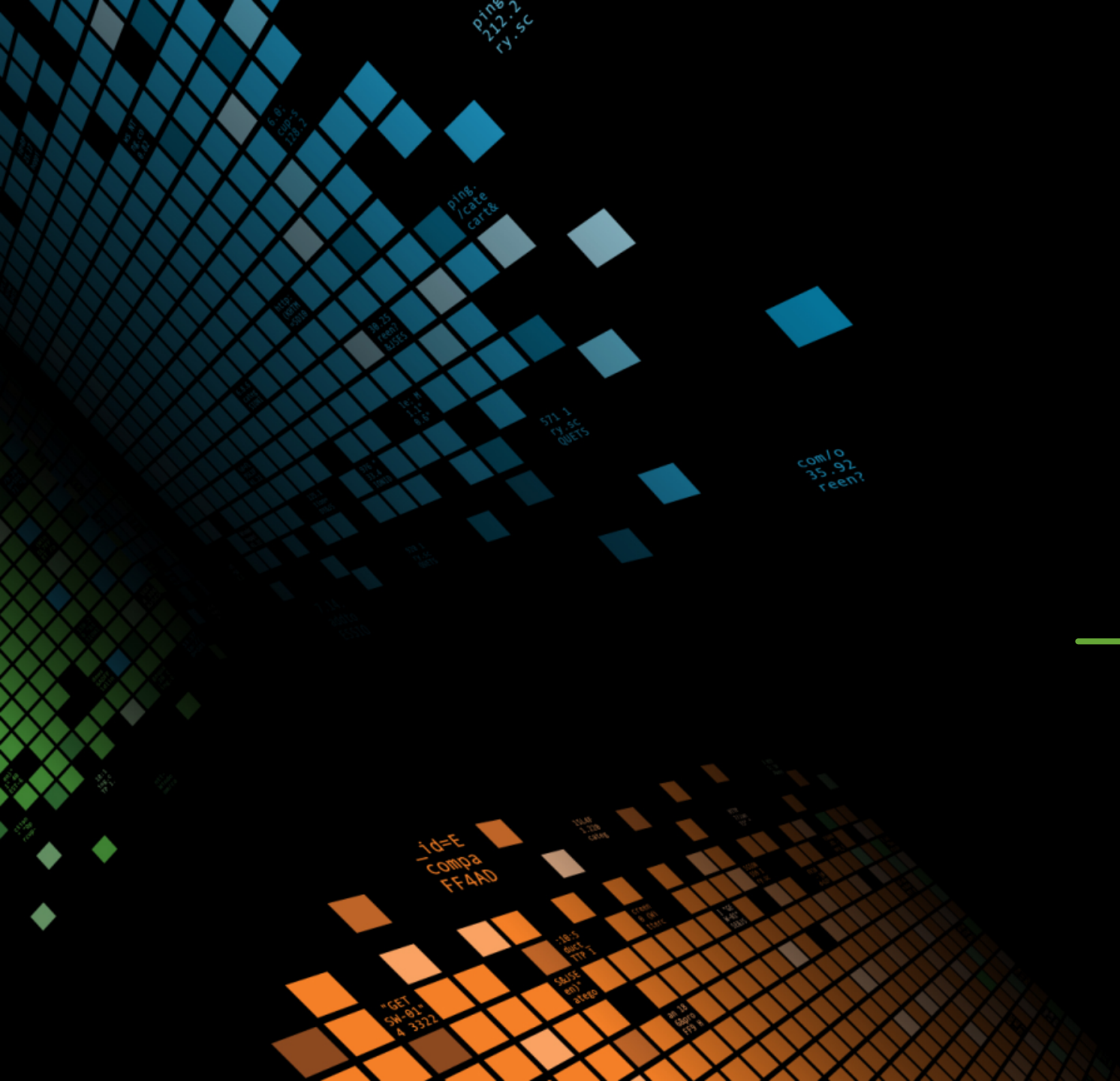


Datasets: Table Editor

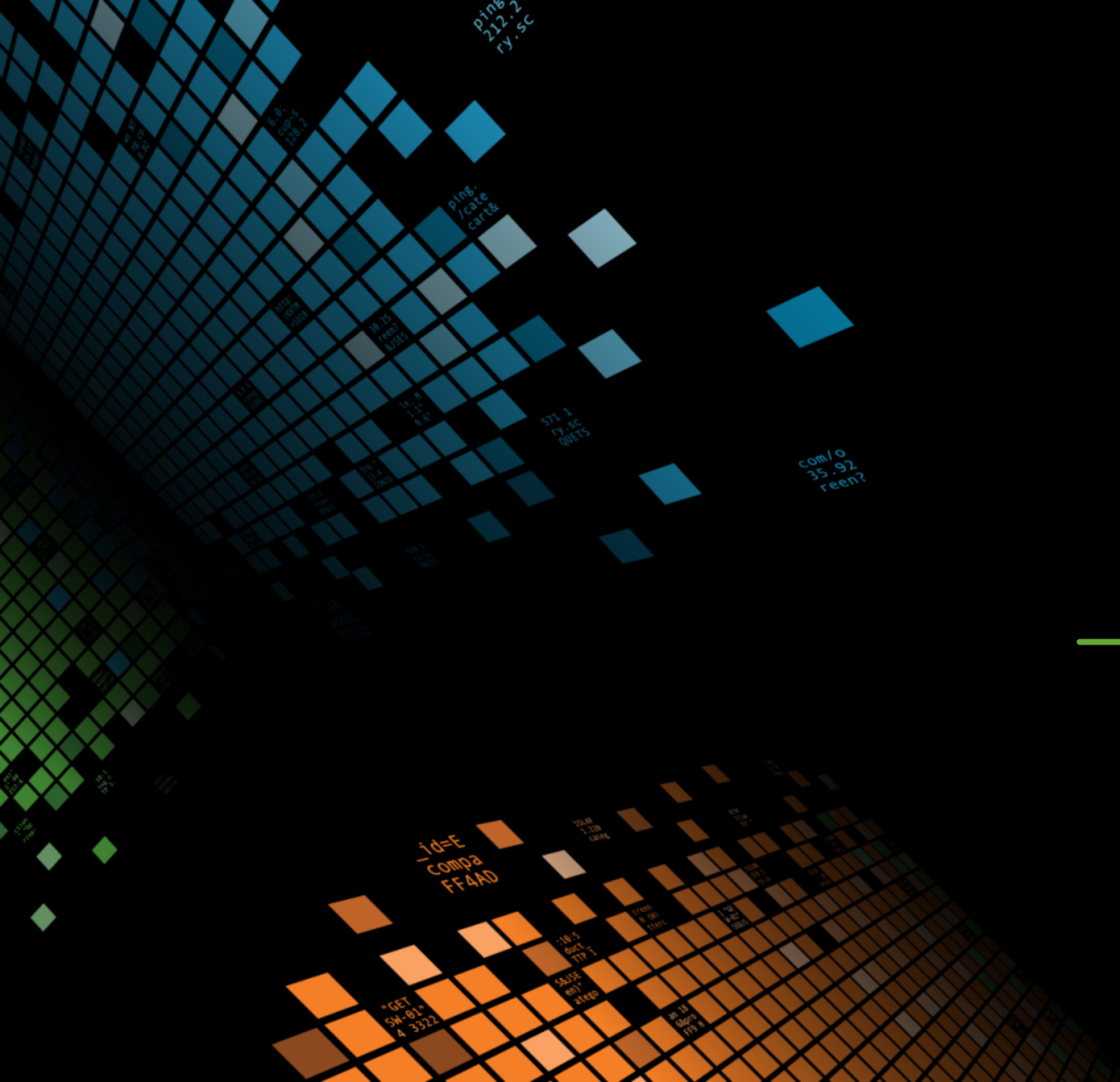
- Refine dataset with SPL commands using selections, menus, and forms
- Two views:
  - Preview Rows (table)
  - Summarize Fields (field stats)
- Command history
- Field types



Demo



Q&A



Thank You!

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Thank You

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