

Customize Every Integration: Adaptive Data Mapping for Flexible, Scalable Workflows

Adapt any security integration to fit your data model,
eliminating mapping bottlenecks

PROBLEM

Integrating data across a growing number of cybersecurity and IT providers presents a consistent challenge: every provider surfaces unique field structures, schemas, and edge-case requirements. While standard mappings address many common scenarios, they often fall short when organizations need to include specialized or non-standard fields critical to their workflows.

Relying on hardcoded mappings or manual development introduces delays, adds operational overhead, and reduces responsiveness, especially as integration needs scale. Without a flexible approach to mapping from provider to integrator, teams face mounting pressure from both internal stakeholders and external compliance demands. Static models can't keep pace with the dynamic nature of modern enterprise environments.

What's needed is a scalable, configurable, and repeatable way to define, extend, and manage data mappings, without relying on engineering intervention for every change.

SOLUTION

Synqly Adaptive Data Mapping addresses this challenge, introducing a highly configurable, schema-based mapping framework directly into the integration lifecycle. Built into Synqly's platform, Adaptive Data Mapping supports both reusable mapping templates and fine-tuned control over individual integrations, removing the need for hardcoded updates.

Within a structured, no-code interface, Synqly Adaptive Data Mapping enables organizations to configure:

- Custom field paths (source and destination)
- Expected data types
- Required field enforcement

The mappings are automatically translated into real-time data transformations, ensuring consistent output and eliminating delays caused by engineering bottlenecks. Whether teams need to add a few custom fields, align with standards like OCSF, or build fully customized provider mappings, Adaptive Data Mapping provides them with the tools to do so safely, efficiently, and at scale.

USE CASES

Organizations often encounter scenarios where default fieldmappings are insufficient to meet business requirements. Common examples include internal reference fields, custom user classifications, or metadata that is unique to the customer environment.

Adaptive Data Mapping enables additional fields to be defined through configuration, specifying the source location in provider data and its destination in the normalized response. These custom fields are appended to a dedicated *custom_fields* object within the returned data.

- Quick customization without dev support
- Extend integrations without code changes
- Maintain schema clarity with separated custom fields

Security and IT teams often need to align incoming data to an internal data model or standard such as OCSF beyond default mappings which may not capture all the context for threat detection, compliance reporting, or downstream processing.

Adaptive Data Mapping allows customers to define new or modify existing field mappings that extend Synqly's standard normalization. This enables more complete data alignment with industry frameworks or internal schemas.

- Achieve full schema alignment (e.g., with OCSF or internal standards)
- Ensure consistent data availability across tools
- Customize field-level output without waiting on roadmap updates

Vendors often use internal data schemas that don't align with standards like OCSF, and migrating to a new model can be costly and disruptive especially with existing dependencies. Without flexible bridge formats, integrators face a choice between rebuilding their model or sacrificing compatibility.

Adaptive Data Mapping enables seamless translation between an integrator's proprietary schema and Synqly's OCSF model, eliminating the need for local changes to internal schema and streamlining integrations with providers.

- Adopt OCSF standards without replatforming
- Preserve existing data models and pipelines
- Bridge proprietary formats and normalized event structures in one platform

Some integrations require a completely custom data structure, due to legacy systems, proprietary event formats, or specialized use cases that fall outside of standard mappings.

With full custom mapping, Synqly allows the default normalization logic to be bypassed entirely. Integration teams can define their own mapping structure, creating a fully customized output based on raw provider data.

- Achieve total control over integration behavior
- Bypass rigid templates or default normalization
- Support edge-case providers or specific internal needs
- Future-proof integrations as internal data models evolve

SYNQLY ADAPTIVE DATA MAPPING DELIVERS:

- **Flexible Field Mapping:** Define precisely how your data is transferred from source to destination. Map any provider field, standard or custom, without waiting on engineering..
- **Required Field Support:** Designate required mappings at the integration point level to ensure critical data is always captured and processed.
- **Data Type Enforcement:** Automatically process mapped fields as strings, numbers, booleans, dates, arrays, or objects. Ensure consistency across integrations.
- **Automated Transformation Logic:** Mappings are automatically converted into secure, efficient transformation logic, with no custom scripting required.
- **Organized Output Structure:** Mapped fields are returned in a dedicated *custom_fields* object, preserving schema clarity and aligning with OCSF standards.
- **Smart Validation:** Ensure data quality by validating required fields and enforcing schema expectations during the integration process.
- **Nested & Complex Field Support:** Support dot-separated and nested field paths, even those with complex or escaped field names, without additional code.
- **Future-Ready Architecture:** Adaptive Data Mapping is the foundation for fully data-driven integrations. As Synqly evolves, your mappings scale faster, smarter, and manageably.

ABOUT

Synqly is the first integration platform purpose-built for security, IT Ops, and Managed Service vendors. Our unified API enables rapid, seamless integrations, without draining engineering resources, reducing development costs and complexity by up to 90%. Synqly sets the new standard for scalable, efficient security integrations.