silwood

Data Governance and Data Catalog

Fast and accurate provisioning of data catalogs with enterprise application metadata

The Challenges

If you are implementing, or investigating a data catalog for your enterprise and it does not easily incorporate metadata from your large package applications from SAP, SAP BW, Oracle, Microsoft and Salesforce then it will not deliver the benefits you are anticipating.

The reality is that these applications make it difficult to provision a data catalog because of to the characteristics of their data landscapes.

Where is the data? The 'business friendly' metadata you need to make your data catalog useful and usable is not in the database system catalog. In most cases it is stored in a series of data dictionary tables. This means that scanning the database to retrieve the metadata you find there will not help you.

What is relevant for my project? However you access the metadata you will find that there is typically a large quantity of tables and other objects. It is unlikely that you need all of it for your data catalog, especially in those applications with tens of thousands of tables. (e.g. a typical SAP system ash over 90,000 tables. Therefore, you need some way to intelligently scope and curate the metadata into meaningful groupings for your catalog.

How do I use the metadata in my data catalog? The final challenge is to make the selected metadata available in your data catalog quickly and accurately without resorting to custom software development, using spreadsheets, re-keying or copying and pasting it.

Safyr works with:

- SAP ECC
- SAP S/4HANA
- SAP MDG
- SAP BW
- SAP BW/4HANA
- SAP SAC
- SAP SuccessFactors
- Salesforce
- Force based apps
- MS Dynamics 365
- MS Dynamics AX
- MS Dynamics CRM
- Oracle eBusiness Suite
- JD Edwards
- PeopleSoft
- Siebel

How does Safyr help you solve those challenges?

Safyr provides you with a unique solution to the problems faced by your data architects and engineers when trying to access and use metadata from your enterprise applications with your data catalog.

Firstly it delivers the ability to create a consistent and accurate glossary of the hard to find 'business friendly' metadata in your enterprise applications by extracting that information from the source, including its customizations . Once that information is stored in a Safyr repository the connection to the source can be terminated.

Then it provides you with search, visualization and curation tools needed to find and subset the metadata which is relevant for your data catalog project. This is important so that the end users can gain maximum value from their interactions with it.

Finally, you can share what is needed for your data catalog project with a wide variety of data catalog products (see right panel) and other tools.

This means that you have greater control over the process of provisioning your data catalog and do not have to rely on hard pressed internal technical specialists, external consultants, documentation, templates, internet search or even guesswork to achieve this crucial part of your project. In this way, Safyr helps you to improve the trust in data, manage costs and increase productivity.

How does it work?

If you are implementing, or investigating a data catalog for your enterprise and it does not easily incorporate metadata from your large packages applications from SAP, SAP BW, Oracle, Microsoft and Salesforce then it will not deliver the benefits you are anticipating.

Safyr connects to the Data Dictionary tables of the target packaged application and retrieves the relevant metadata they contain including customizations and extensions.

Unsupported Applications

For applications not included above it may be possible to configure Safyr to map their metadata into its own repository. Please contact us to discuss your particular packaged systems.

Preconfigured content

Business contextual metadata content (including for GDPR, UK Data Protection Act and CCPA) is provided for a number of packages including SAP, Microsoft, JD Edwards and others.

Export results

Metadata from Safyr can be exported to most leading data governance and metadata management platforms e.g.

- Collibra
- Alation
- Precisely
- Zeenea
- Solidatus
- Erwin DI
- Microsoft Purview
- Informatica

And data modelling tools e.g.

- SAP PowerDesigner
- Erwin DM
- ER/Studio

Plus other formats.

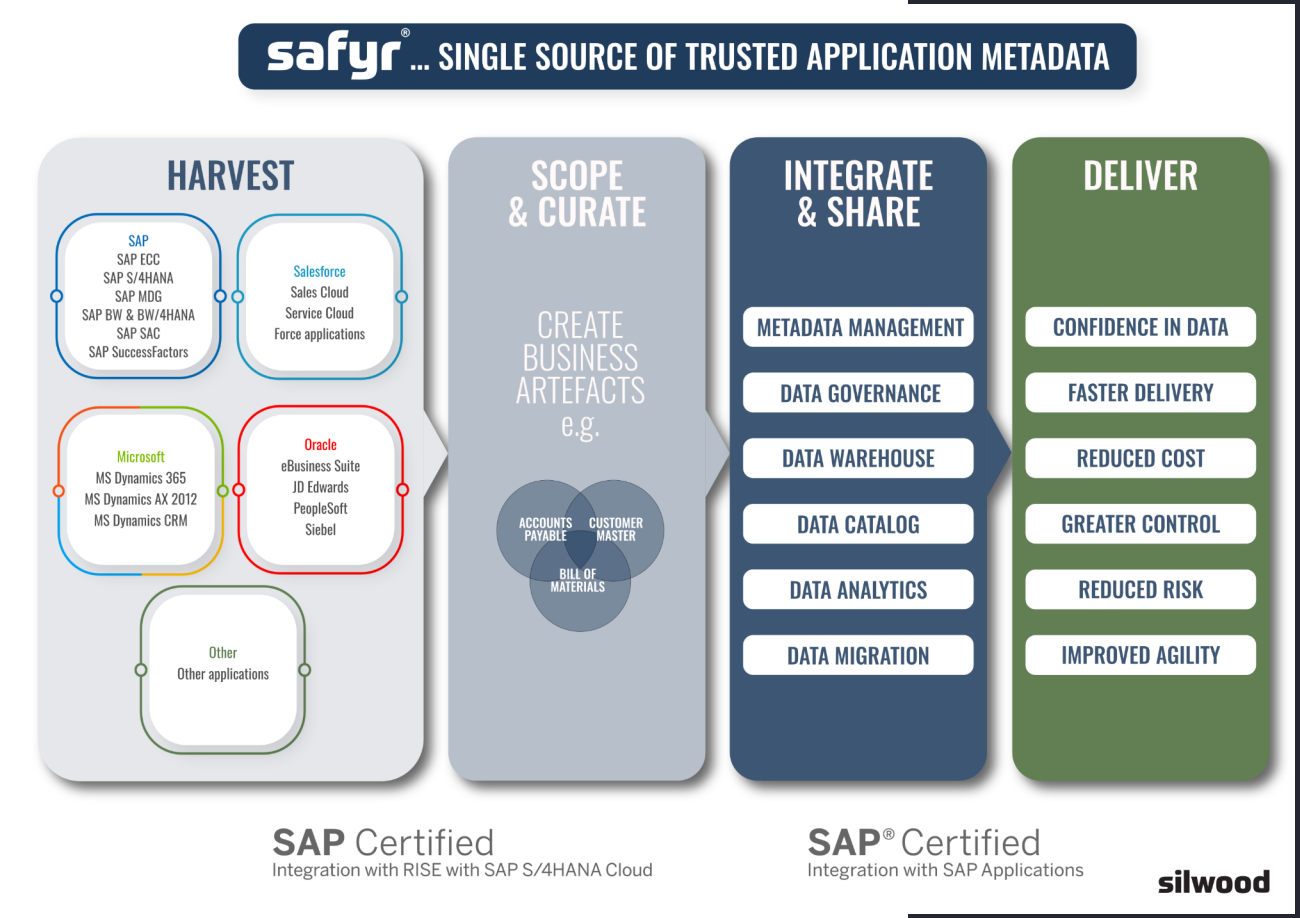
This includes logical ('business friendly') and physical names together with all descriptions and other details, where available, for tables, fields and other objects it extracts.

This information is stored in a Safyr Repository and the product creates all the relationships between the tables and an Application Hierarchy (where available) from the information it retrieves.

The user then has access to a broad range of search, analysis, visualization and curation functions which make it easy to locate the specific group of tables required. Users can also investigate the details of individual tables including attributes, descriptions, and keys etc.

These groups are saved as Safyr Subject areas which can contain as many tables as are required in the context of the project.

Subject Areas are used as the mechanism for sharing metadata with other software products and technology formats.



Key Functions

- Parent and child tables relationships
- Application Hierarchy of Application Modules and associated tables, programs and other elements (where available from the source metadata)
- Comprehensive range of global and targeted search, filtering and curation functions
- Advanced features for searching and sub setting metadata, e.g. using table row count as a results parameter, finding attributes in tables with content relevant for Personal Data or PII uses
- Ability to identify differences in metadata between partial or whole instances of metadata from the same source application
- Ability to schedule extraction and other elements of the metadata discovery process
- Ability to reuse metadata in other software products and industry standard technology formats

Metadata extracted includes:

Tables	Fields (Attributes)
Customizations	Views
Logical names	Physical names
Data elements	Descriptions
Domains (where available)	Table row count (where available)

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