



SBN Data Security and GDPR

Karin Ejstrup | September 2022





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Active in the IT-industry since 1982

SAP experience since 1996 (internal consultant, PM)

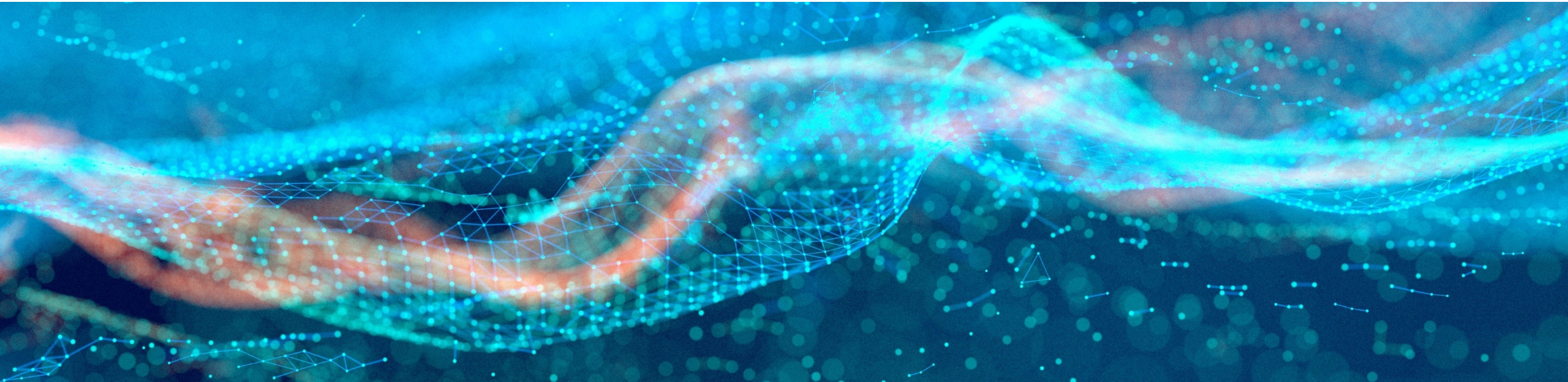
Working for SAP 2002-2014

Working for EPI-USE Labs since 2014



Data Security and GDPR

EPI-USE labs Data Privacy Suite for SAP® solutions







Clients buy from companies they trust.



Continuous compliance for regulations like GDPR, POPI & CCPA.

Get a pre-configured, SAP certified SAP add-on for the GDPR's 'Right to be Forgotten', data Subject Access Requests and data archive automation.



Data Disclose™



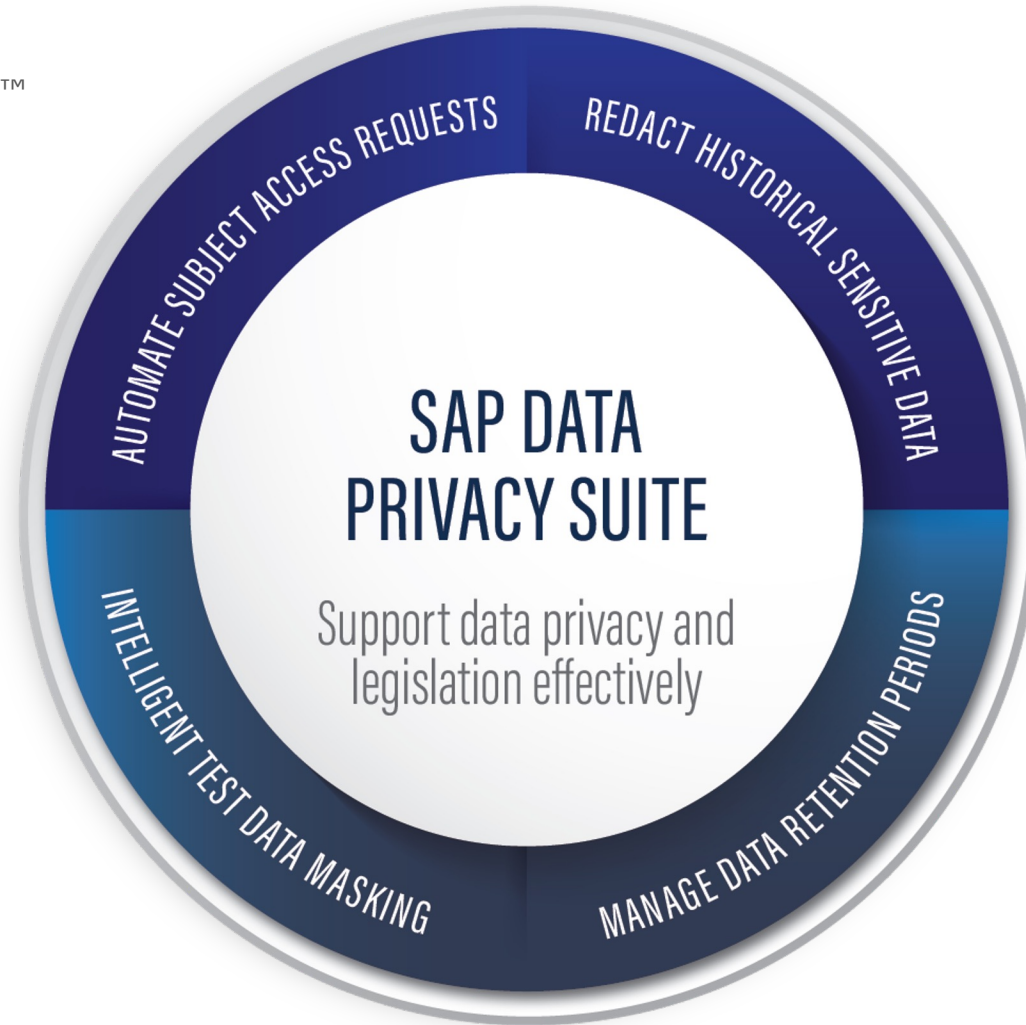
Data Redact™



Data Secure™



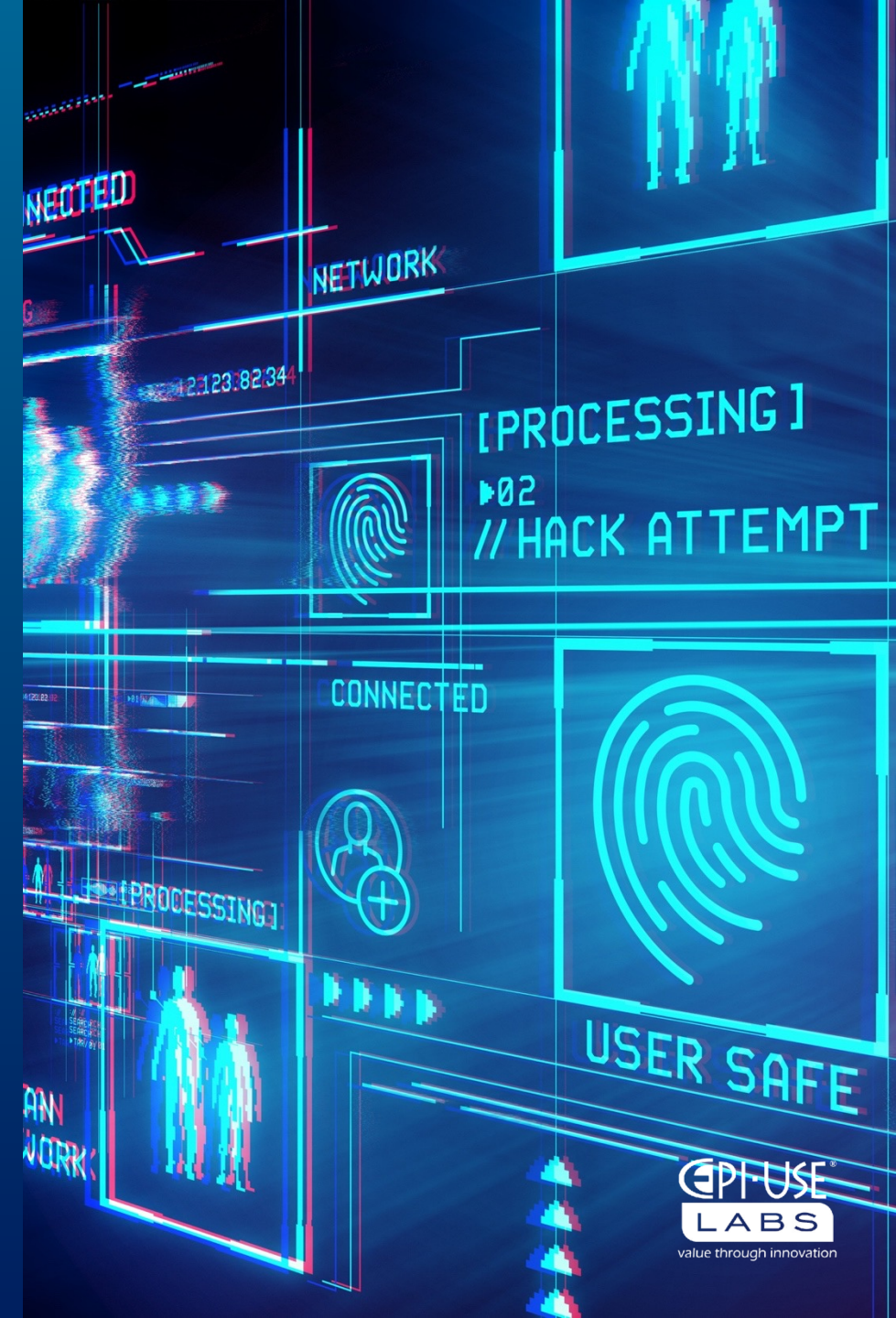
Data Retain™



Data Privacy Suite

Data Disclose, Data Redact, Data Retain

Data Disclose, Data Redact and Data Retain are built on a solid foundation of existing technology and Intellectual Property. Our Data Privacy Suite leverages our industry-leading Data Sync Manager Suite™ which offers a semantic understanding of your SAP environment and provides data sub-setting and secure rule-based masking capabilities.





Data Disclose

Leveraging trusted technology

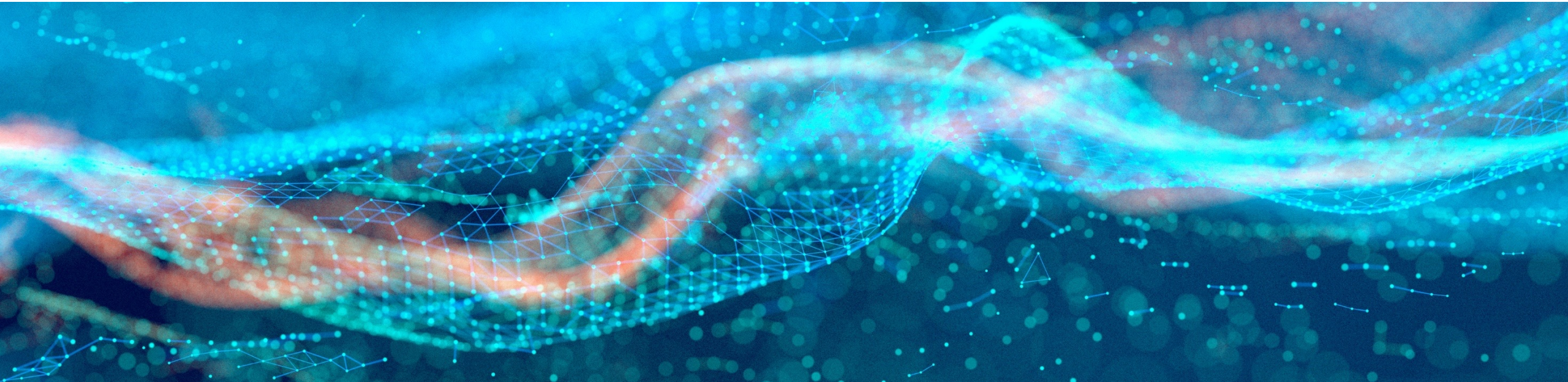
Instantly search an SAP landscape to locate, retrieve and present a subject's data footprint with an encrypted PDF download.

Benefits:

Automated, fast search across all ABAP systems (ERP, CRM, HCM, SRM, BE) including non-SAP systems via predefined APIs.



DEMO





Data Redact

Leveraging trusted technology

Intelligently alter or clear sensitive or personally identifiable data in SAP systems without removing the complete record, while ensuring referential integrity is not at risk.

Benefits:

Reporting of non-sensitive data is not affected. Comply with legislation requiring the removal of data, without costly archiving or custom deletion solutions.





DEMO



Data Retain

Leveraging trusted technology

Proactively find data subjects for redaction based on a set of flexible rules which can be automatically scheduled or run manually, based on your compliance needs.

Benefits:

Keep your systems compliant and get ahead of erasure requests with a standard policy response.





DATA PRIVACY SERVICES



Mass data removal services

Remove data for GDPR data privacy compliance, using Data Secure and the SAP Data Privacy suite

- Clear historical data, without the need for complex archiving projects
- Technology used to support Data Redact™ can be leveraged to allow mass record selections and parallel processing
- The consultant will also assist with the exact definitions of the data that should be removed in the initial clean up and how to select those records

Data privacy workshop and system analysis

- An collaborative workshop followed by an in-depth system analysis
- Providing SAP solution expertise, with a background of implementing privacy projects in multiple industries throughout the globe. We can help mediate functional, compliancy and testing needs with real examples and impacts to lead to a clear requirement moving forward.
- Data Discovery – leveraging our in depth knowledge of the SAP data model and unique IP processes we search the SAP database and collate PII Data items
- We work with and facilitate the review of non SAP appliances to feed the mapping and transformation requirements.
- After the analysis, you will be presented with a detailed report which outlines
 - Production and non-production privacy requirements
 - Retention process flows
 - SAP object definitions and integrations of data
 - Cross system integrations and data alignments
 - Detailed table and field analysis showing the Personally Identifiable information in you SAP environment.



Data privacy workshop and system analysis

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4. Functional requirements

4.1 Data scrambling

During the workshop the following data types were identified for inclusion in the analysis:

- Name
- Telephone Number
- Email Address
- Sensitive Dates
- Address
- Banking Details
- Tax Numbers
- ID Number

Within non-production, the method of scrambling this data has been defined as:

Data Type	Scrambling method
Name	Random Name (depending on Gender and country of person to scramble)
Telephone Numbers	Clear all data
Email Addresses	Set all to TEST@CUSTOMER.COM
Sensitive Dates	Clear all data
Address	To be confirmed
Banking Details	Scramble
Tax numbers	Clear all data
ID Number	Clear

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5. Technical discovery findings

5.1 Data scrambling

5.1.1 Names

Data Item/table	Field	Scramble Approach
ADRC	MC_NAME1	Scramble
ADRC	NAME1	Scramble
ADRC	NAME2	Scramble
ADRC	NAME3	Scramble
ADRC	NAME4	Scramble
ADRC	NAME_CO	Scramble
ADRC	NAME_TEXT	Scramble
ADRC	SORT1	Scramble

5.1.2 Emails

Data Item/table	Field	Scramble Approach
ADR6	SMTP_ADDR	Constant
ADR6	SMTP_SRCH	Constant
PA0105	USRID_LONG	Constant

5.1.3 Telephone Numbers

Data Item/table	Field	Scramble Approach
ADCP	FAX_EXTENS	Clear
ADCP	FAX_NUMBER	Clear
ADCP	TEL_EXTENS	Clear

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ECC	Employee	SRM	Business Partner	Employee Central Person is distributed through ALE to SRM and mapped to BP in org structure
ECC	Customer	CRM	Business Partner	KUNNR is passed to CRMM_BUT_CUSTNO table in CRM and converted to BP GUID

5.2 Production Data Subject reporting

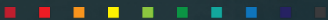
The following table and fields will need to be included in a Subject Access Request to ensure that all data storage points are considered:

5.2.1 Employee

Table	Field	Field Description
PA0001	SNAME	Employee's Name (Sortable by LAST NAME FIRST NAME)
PA0001	ENAME	Formatted Name of Employee or Applicant
PA0002	INIT5	Initials
PA0002	NACHN	Last Name
PA0002	NAME2	Name at Birth
PA0002	NACH2	Second Name
PA0002	VORNA	Second Name
PA0002	CNAME	Complete Name
PA0002	TITEL	Title
PA0002	TITL2	Second Title
PA0002	NAMZU	Other Title
PA0002	VORSW	Name Prefix
PA0002	VORS2	Second Name Prefix
PA0002	RUFNM	Nickname
LFA1	MCO01	Search term for matchcode search

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SBN Decommission and Archiving

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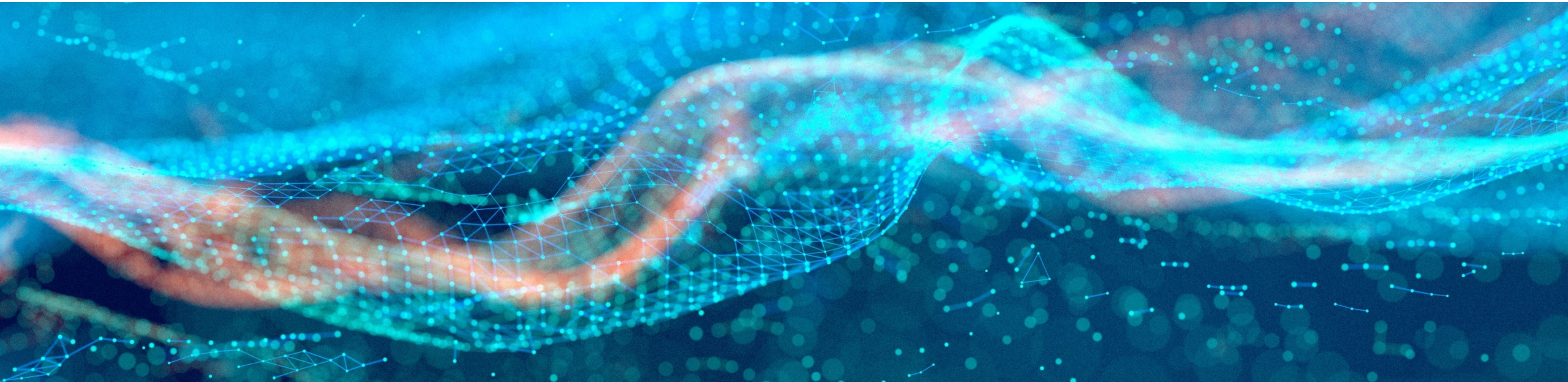
Working for SAP 2002-2014

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Decommission and Archiving

Store your archived Data in an
ISO 27001-certified platform, with secure, role-based access and extensive audit trails



VALUE THROUGH INNOVATION

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CLIENTS
WORLDWIDE

OPERATING IN
49
COUNTRIES 

EPI-USE
LABS
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 **DEDICATED
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SUPPORT**

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30 MINS 

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OUR COLLABORATIVE COMMUNITY



UNIQUE ONLINE
PORTAL



**ALL CLIENTS
HAVE ACCESS**



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ACTIVE USERS

a member of
groupelephant.com



35+
YEARS OF
EXPERIENCE



> 3,000
EMPLOYEES

1% of revenue channelled into ERP
(ELEPHANTS, RHINOS & PEOPLE) PROGRAM





ARCHIVE CENTRAL

Sunset applications while retaining secure, role-based access to your data and associated reports.



Business drivers

Business drivers for archiving typically revolve around retiring, right-sizing and providing access to application data after a business divestment or acquisition.

Retirement of legacy systems

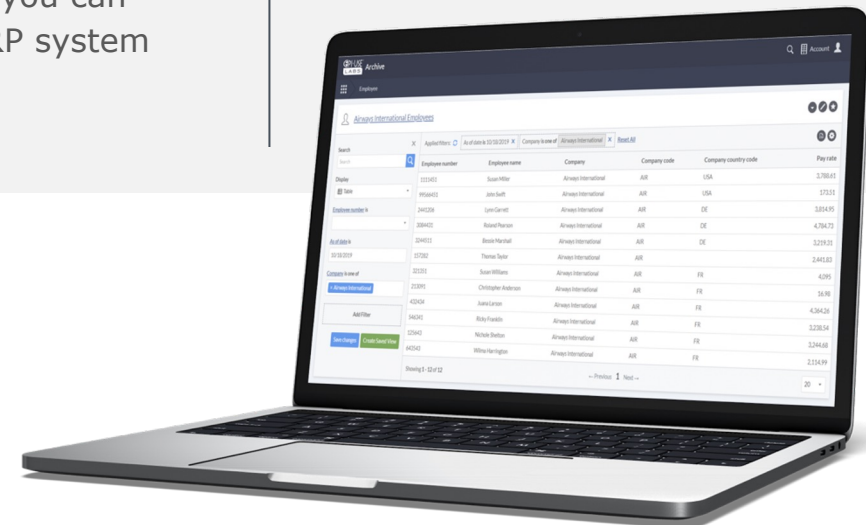
Reduce operational costs by retiring legacy systems which are either expensive to support or running on platforms which are insecure. Legal retention periods for business data delay the retirement of legacy systems. Archive Central provides a modern data management platform for record management.

Right-sizing of ERP systems

Business are looking for solutions to control and limit data growth in their ERP systems. This includes options to extract and archive data and documents they no longer require immediate access to. Archive Central provides a simplified, secure repository into which you can unload data, making your ERP system more cost-effective.

Business Divestments

Divestments of business occur for a number of reasons. Archiving provides a controlled mechanism for sharing relevant master and transactional data for regulatory, operational and governance reasons



Introducing Archive Central

Move your business to modern applications, while keeping access to valuable business data for historic and compliance purposes.

Simple to import

Import your legacy data into a secure, searchable web-based repository that has enterprise-grade security and scalability.

Role-based access

Offers fine-grain control for managing which roles have access to data subsets. Detailed audit capability will ensure you meet any audit or legislative requirements.

Keep data secure

Any sensitive information such as PII can be encrypted for security and regulatory compliance. Backups and disaster recovery is included, leveraging Azure.

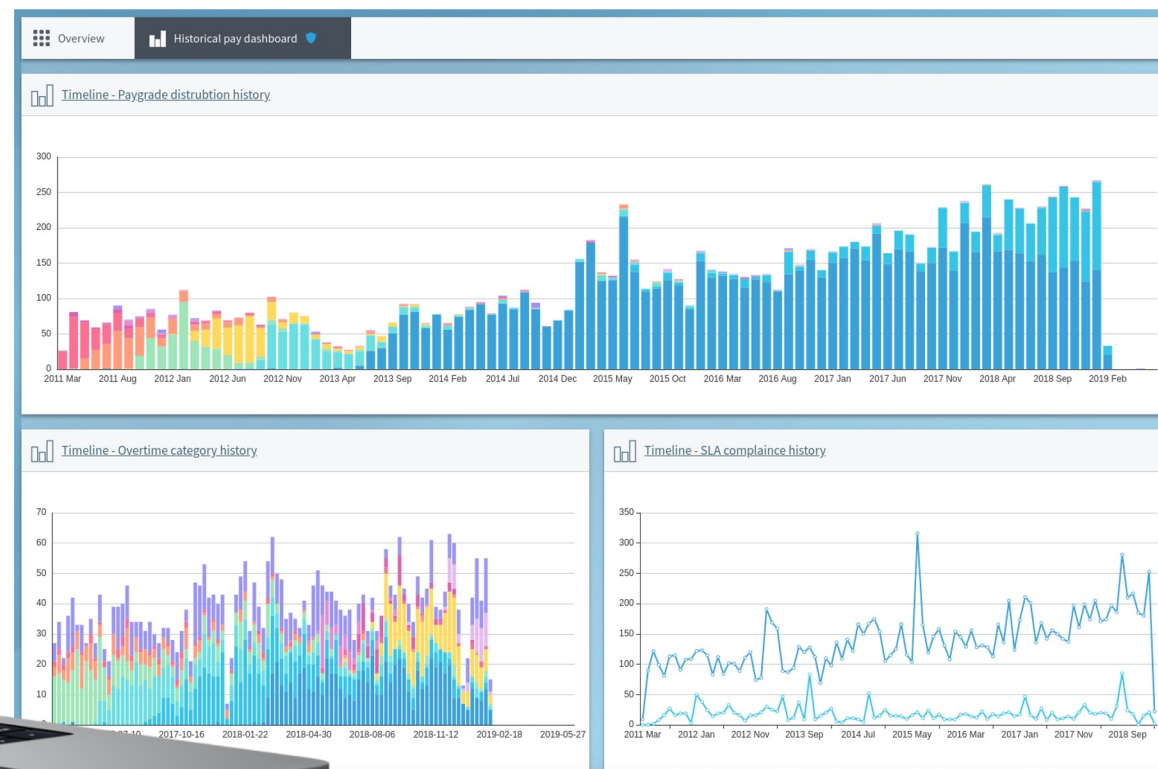


Built-in audit trail and role management

The screenshot shows the EPI-USE Labs Archive interface. The top navigation bar includes the EPI-USE Labs logo, the word 'Archive', a search icon, an 'Account' link, and a user profile icon. Below the navigation bar, there's a sidebar with a grid icon and 'EPI-USE Labs'. The main content area has four tabs: Solutions, Users, Roles, and Activities. The 'Solutions' tab is active, showing 'No Solutions to display.' The 'Users' tab shows a list of users: Jane Doe (Technical, User, US Supervisor) and John Doe (Technical, User, Admin, DE Supervisor), both joined on 10/18/2019. The 'Activities' tab shows a list of activities: John Doe viewed employee 3084431 (Nov 1, 2019, 01:23 PM), John Doe viewed employee 99566451 (Nov 1, 2019, 01:10 PM), John Doe viewed employee 1111451 (Oct 31, 2019, 07:47 PM), John Doe viewed employee 598120 (Oct 30, 2019, 06:45 PM), and John Doe viewed employee 321351 (Oct 30, 2019, 04:28 PM).

The screenshot shows the 'Edit US Supervisor' role details form. The top navigation bar includes the EPI-USE Labs logo, the word 'Archive', a search icon, an 'Account' link, and a user profile icon. Below the navigation bar, there's a sidebar with a grid icon and 'EPI-USE Labs'. The main content area has a tab labeled 'Edit US Supervisor'. The 'Role details' section includes a 'Name' field with the value 'US Supervisor' and a checkbox labeled 'When a new user is created, automatically assign this role'. The 'Permissions' section shows a collection of permissions, including 'Collection - Employees' with a 'Company Country Code: USA' field and a 'View' button. The 'Users' section is also visible.

Dashboards and reporting



Configure data collections and search indexes

EPI-USE LABS Archive Central (demo)

Employees

Size: 224 kB
Tables: 1
Records: 268

Created at: 2019-11-22 16:58
Updated at: 2020-02-11 13:49

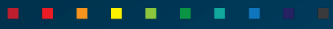
Tables and records | Display settings | Search settings

Default table columns

Name
Employee Number
Employee Name (Last Suffix, First MI)
Company
Company Code
Company Country Code
Pay Rate

Tables

Name	Technical name	Key column	Date column	Records	Size
Employees	employee	employee_number	as_of_date	268	224 kB



SYSTEM ANALYSIS EXAMPLES

to support Archive Central discussions



Data Sync Manager Readiness Assessment (DSMr)

- The DSMr effectively assesses your SAP system without extracting or exposing any sensitive business data. This means that Personally Identifiable Information (PII) such as usernames, passwords, and personnel numbers remain protected. The DSMr returns detailed information including for example
 - software versions
 - kernel patch levels
 - SAP component levels
 - add-ons
 - custom table definitions
 - table sizes,
 - including database-specific details such as index cluster ratios
- The end client can also download and review the extracted XML files before sending them to EPI-USE Labs for analysis

Functional Data Footprint (sample)

Analysis of transactional and master data areas across all functional areas.



Business benefits:

- View data distribution patterns across modules for planning purposes
- Identify archiving and redaction opportunities



Functional Analysis

Top master data areas	Record count
ERP-HR (Human Capital Management)	2,545,638
SRM-CA (Cross-Application Components)	2,075,701
Top transactional data areas	Record count
ERP-AC (Accounting)	10,081,430
ERP-AC-FI (Financial Accounting)	7,008,080

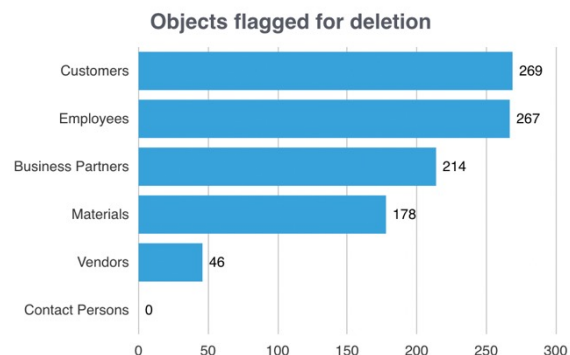


System footprint

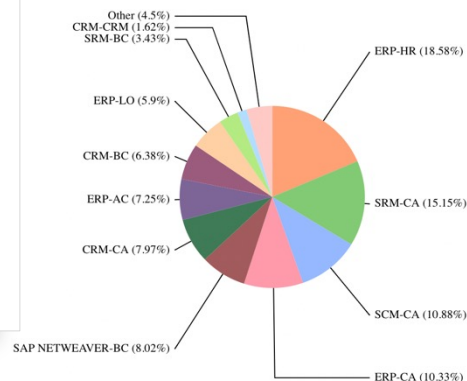
Largest application components	Data footprint
Basis Components	92.5 GB
Payroll	32.9 GB
Cross-Application Components	21.8 GB
Personnel Management	9.31 GB
Sales and Distribution	8.33 GB



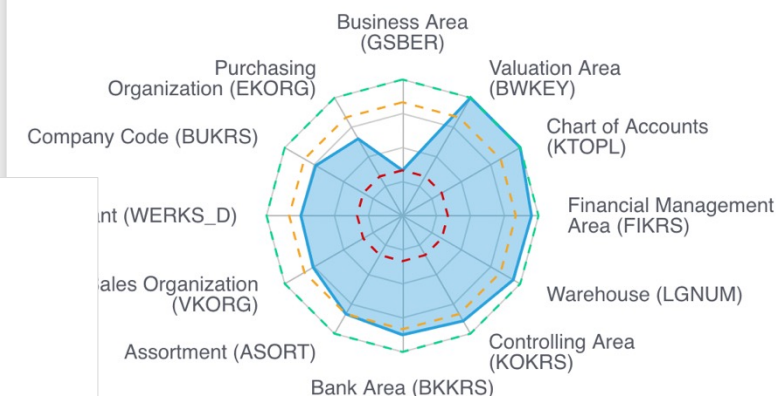
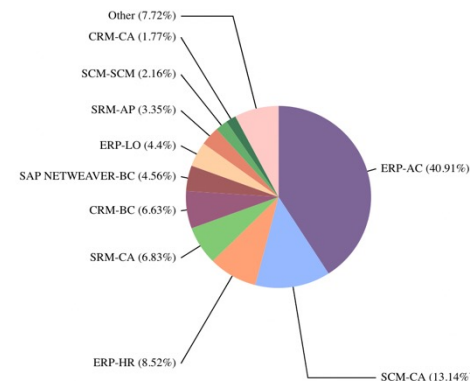
Objects flagged for deletion



Master data



Transactional data



Enterprise Structure (sample)

Insights into all configured enterprise structures and associated dependencies.



Business benefits:

- Identify complexity areas, and ensures project team members are aware of configured structures
- Validate baseline planning assumptions for structural business changes

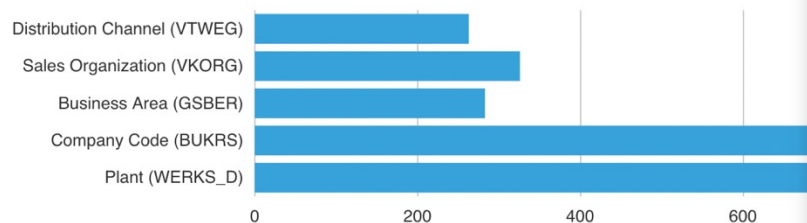


Enterprise data distribution

Number of discovered tables with enterprise fields

1,833

Enterprise field classifications by table involvement



Business functions

457

Enterprise structure > E9R-800 3 1	
+ COMPANY CODE 0001 > SAP A.G. 25th 134	
- COMPANY CODE 0005 > BestRun Germany new GL 4th 321	
+ Assortment 5	
+ Bank Area 1	
+ Valuation Area 5	
+ Purchasing Organization 13	
+ Business Area 7	
+ Credit Control Area 1	
+ Controlling Area 1	
+ Chart Of Accounts 2	

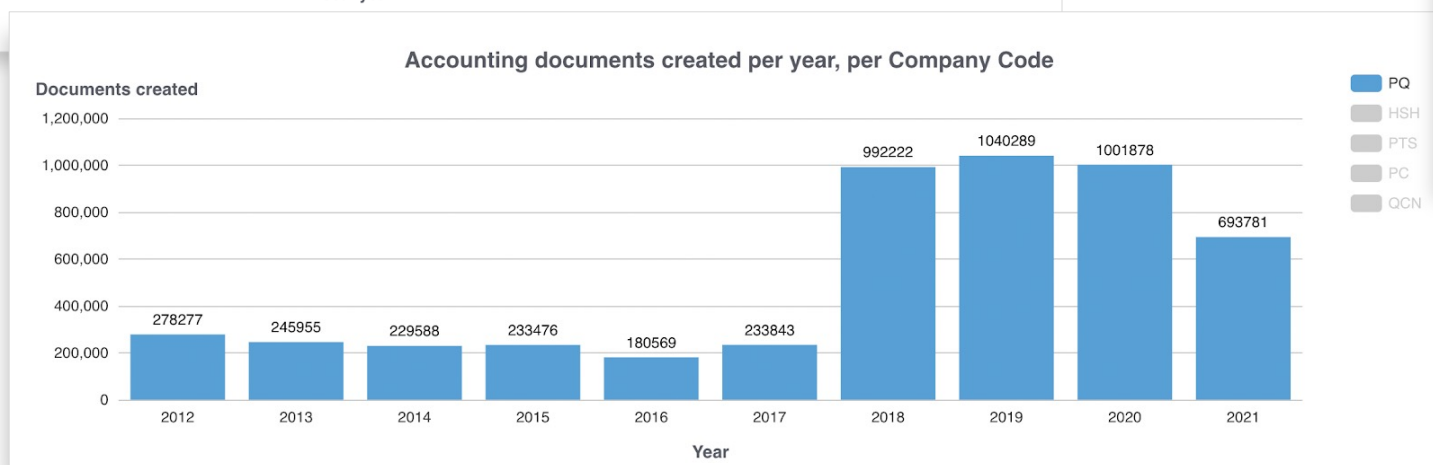
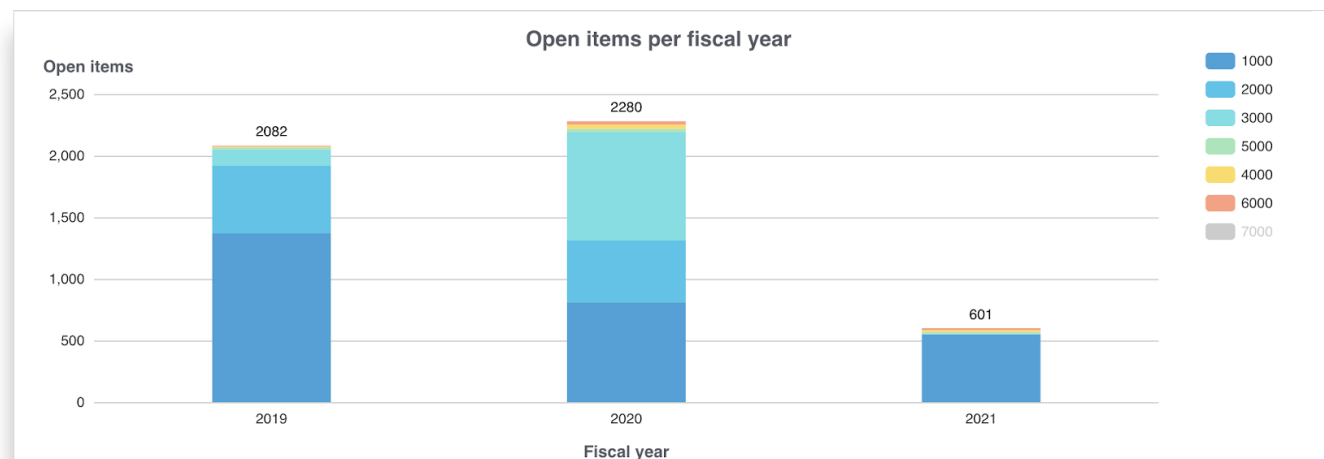
Enterprise field

Configuration distribution across Enterprise Fields by Company Code

Plants (WERKS_D)	29	57	6	5	1	2	2	6	1	1	5	5	6	1	3	4	4	1	1	2	7	4	2	5	14
Distribution Channels (VTWEG)	15	9	8	8	8	6	6	1	6	6	7	4	0	7	2	0	0	9	2	5	4	9	5	6	6
Sales Organizations (VKORG)	7	5	1	2	1	2	2	1	1	1	2	1	0	1	3	0	0	1	1	1	1	2	1	1	1
Divisions (SPART)	26	31	20	10	10	12	12	1	21	21	21	4	0	21	1	0	0	2	4	27	5	2	17	2	1
Personnel Areas (PERSA)	7	18	4	0	0	0	0	0	0	0	0	7	2	0	3	0	0	0	1	2	5	5	2	1	0
Storage Locations (LGORT_D)	238	105	144	141	140	127	126	137	48	47	30	40	46	29	43	42	42	38	40	6	14	15	11	17	4
Warehouses (LGNUM)	72	25	3	0	0	2	2	0	0	1	0	5	3	0	3	3	2	0	0	1	4	0	2	3	2
Charts of Accounts (KTOPL)	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Controlling Areas (KOKRS)	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Credit Control Areas (KKBER)	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	0	0	1	1	1	1	1	1	1	1
Business Areas (GSBER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Financial Management Areas (FIKRS)	1	1	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	0

Accounting Data (sample)

Easily review accounting document distribution across time and enterprise structures.



Business benefits:

- Assess complexity of GL Migrations or balance transfers
- Identify data for redaction or archiving
- Determine right-sizing opportunities



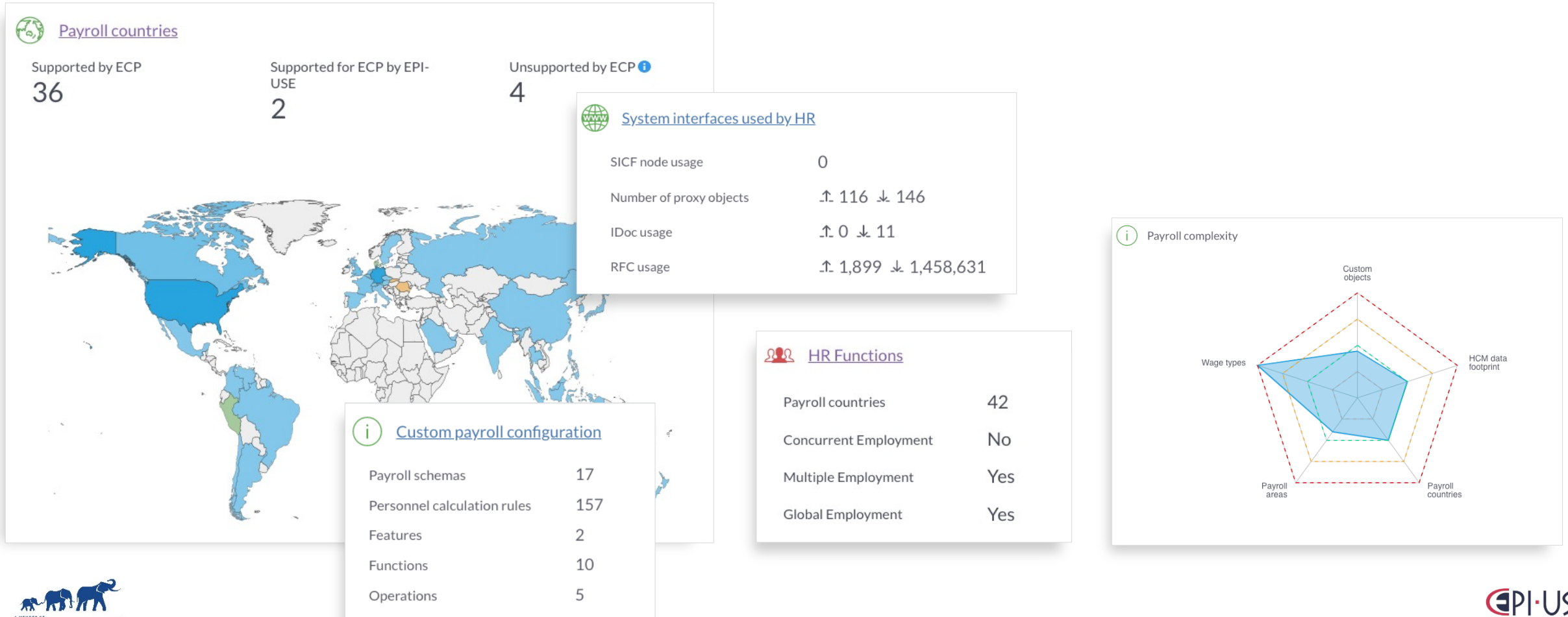
Accounting data history

Accounting age about 27 years

Documents 663,812

HCM and Payroll (sample)

Offers insight into your HCM and Payroll implementation and data volumes.



Archive Central

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Simple to import

Import your legacy data into a secure, searchable web-based repository that has enterprise-grade security and scalability.

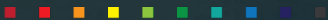
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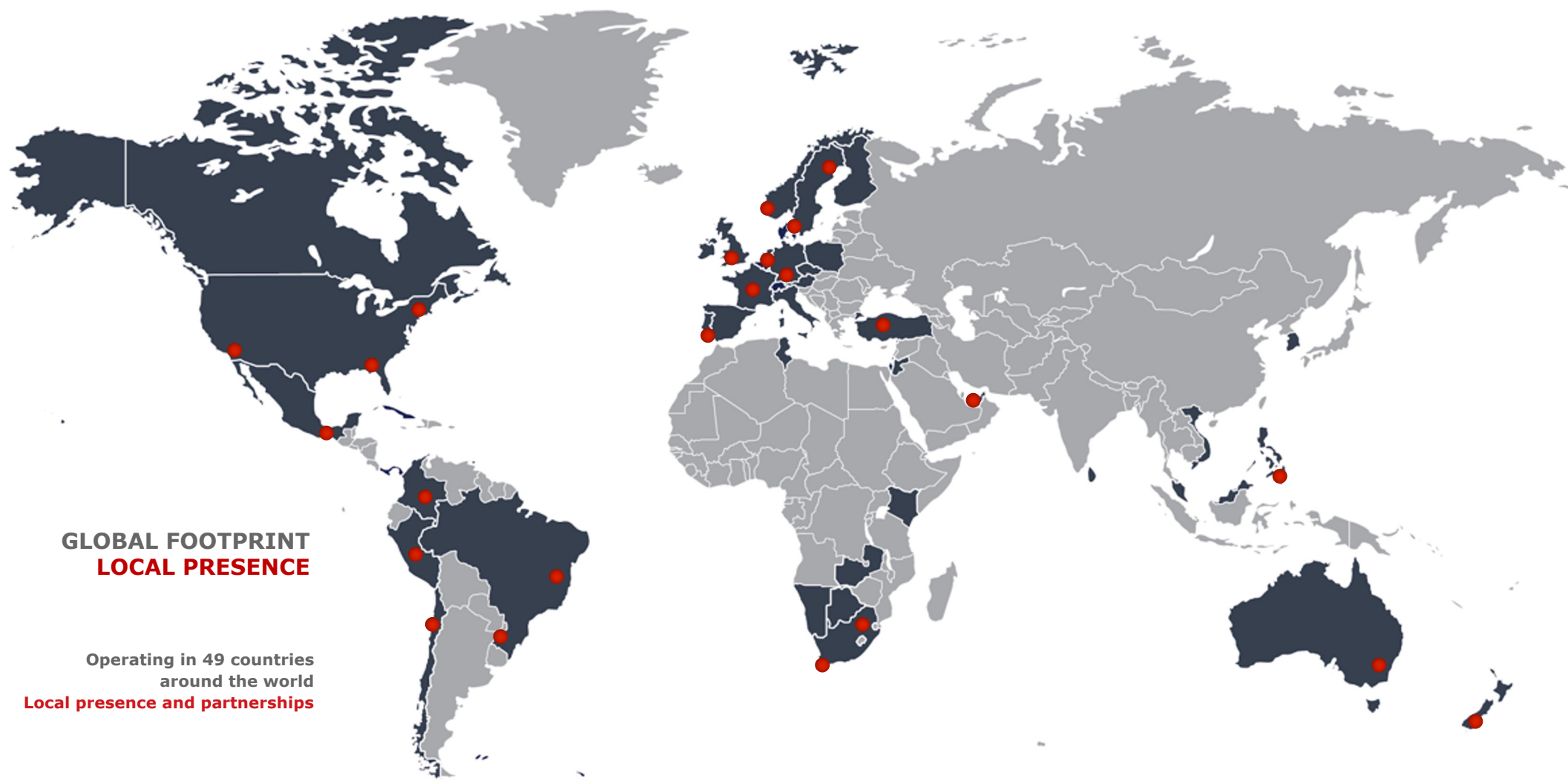




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49
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**97%** CLIENT RENEWAL RATE


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**MULTI-LINGUAL GLOBAL
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**DEDICATED
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**SATISFIED CLIENTS**

24-hr SUPPORT EVERY
WORKING DAY

**WIDE LANGUAGE
SUPPORT**

Response to tickets: **98%** WITHIN
30 MINS 

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OUR COLLABORATIVE COMMUNITY

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PORTAL**

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HAVE ACCESS**

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EXPERIENCE

**> 3,000
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1% of revenue channelled into ERP
(ELEPHANTS, RHINOS & PEOPLE) PROGRAM 

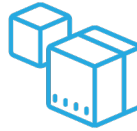


SERVICES AND
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SOFTWARE AND SERVICES
FOR BUSINESS-CRITICAL, NON-CORE
PROCESSES, FOR LARGE ENTERPRISES



SOFTWARE
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TO COVER ALL
SAP MODULES

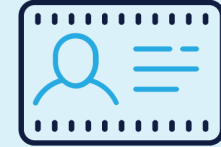


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BRANDS

>3,000
EMPLOYEES

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YEARS OF
EXPERIENCE

PRESENCE IN
COUNTRIES
34 

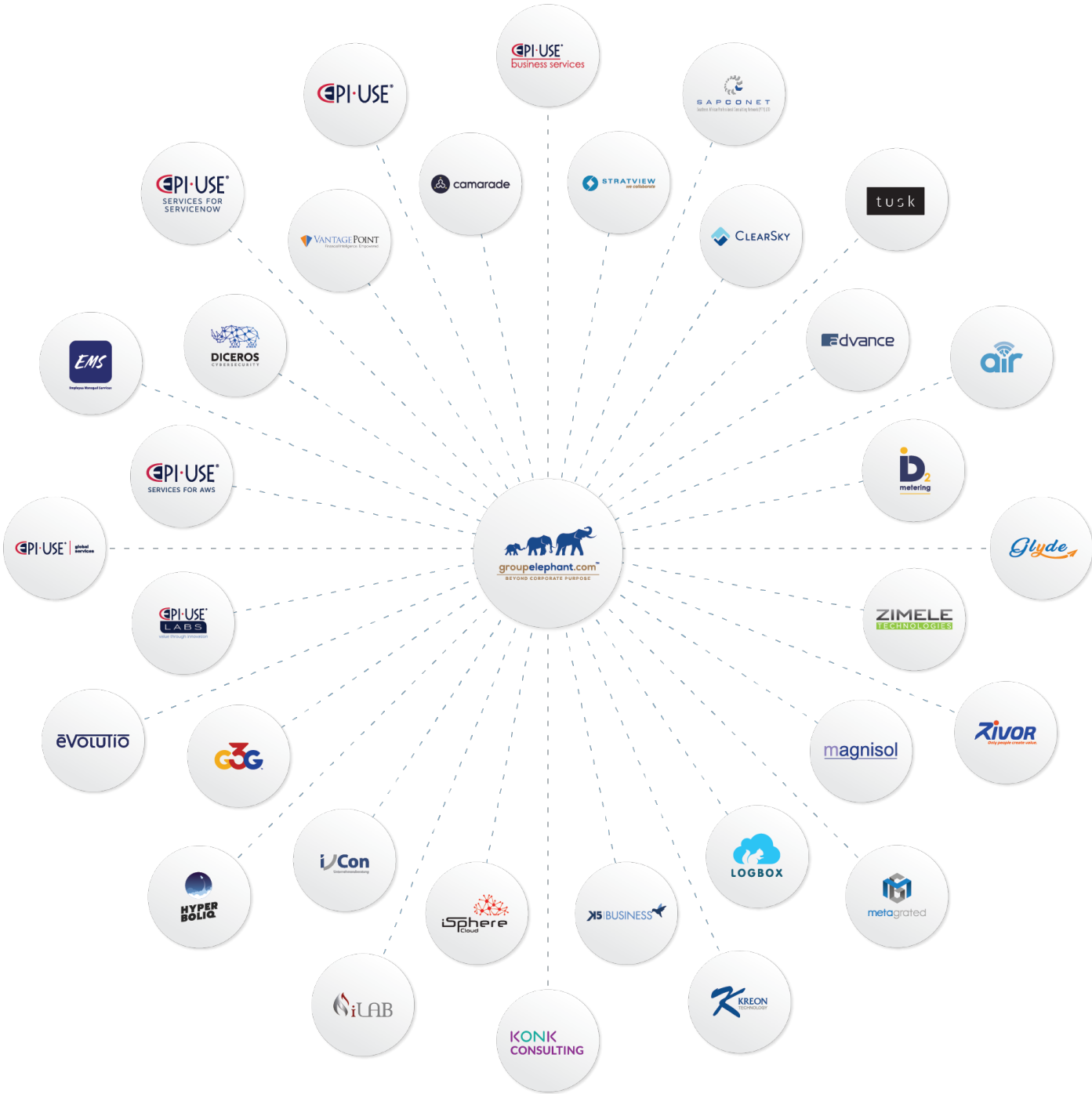
BEYOND CORPORATE PURPOSE
1% of revenue channelled in to the
(ELEPHANTS, RHINOS & PEOPLE) PROGRAM





Group Companies

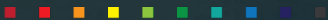
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