

SAP UI Masking & Logging

How to ensure
SAP data integrity
in the digital era
through
SAP UI Masking



wizya

GOVERNANCE • RISK • COMPLIANCE

All experts will tell you that the **digital revolution** is a unique opportunity to transform and grow your business.

What not all experts will tell you is that it also contains a threatening potential to open a Pandora's box of **risks of security breaches and abuse of personal & business critical information**, in particular that maintained and processed within your SAP applications.

SAP systems contain a great number of sensitive information that is accessible by company's users. A user with sufficient authorization access and malicious intent could potentially cause a leakage of the company's critical data.

In fact, the French National Commission on Information and Freedom (CNIL) has made it very clear that Data Protection was the main issue in the digitization process. **The CNIL** is responsible to monitor the enforcement of the EU's General Data Protection Regulation (GDPR) and **does not hesitate to sanction** those who do not respect the regulation.

Ex: **BOUYGUES TELECOM** has been fined **250 000 euros** because their clients' data were not protected enough, a situation affecting more than 2 Million of B&YOU's clients for two years.

The CNIL has also fined **400 000 euros to UBER** for having insufficiently secured their clients' data. Due to this lack of protection, it was determined that two individuals have been able to steal the personal data of more than 57 million UBER users.

Facing data integrity threats and strict regulation, all companies find themselves in a pressing situation where they **need to identify the right solution** to protect their sensitive data and to meet GDPR compliance.



In response to the exigence of GDP Regulation, **SAP has empowered their customers with a native solution - SAP UI Masking & Logging mechanism that enhances the protection of the integrity of the data** processed in SAP applications.

To allow you to fully take advantage of this new SAP functionality, **Wizya has developed an expertise offering** that will ensure that SAP UI Masking Implementation design is tailored to your GDPR policies and rolled out following a proven methodology. Don't fall into the dark side of the force and risk to be sanctioned. Instead, choose the best way to protect your data through UI Masking and UI Logging from SAP!

SAP User Interface Masking • UI Masking

What is it?

UI Masking allows a **granular approach to control and protect the business critical information** processed within their SAP environment and conceal the data on specific values in the fields for user access.

The UI Masking security mechanism enables companies to **define rules to mask the values partially or completely depending on organizational requirements**, such:

- Enables the masking of specific fields in HR and Payroll in order to protect personal confidential information such as Social Security Numbers, Salaries, Tax, Pensions etc.
- Enables the masking of sensitive business information such commercial results, customers & supplier's data, pricing, costing information, etc.

Thanks to UI Masking & Logging solution by SAP companies, the insider threat can be significantly decreased.

Why choosing UI Masking?

- UI masking is an important step in your GDPR compliance strategy which **reduces significantly the threats** of data misuse by masking access.
- UI masking **ensures the compliance with data privacy** and protection regulations with respect to GDPR's article 25
- UI masking **protects personal data** with respect to GDPR's article 17 & article 32
- UI masking **protects company's intellectual property**





How does it work?

UI Masking significantly extends the standard SAP data security approach.

In the standard SAP approach, if someone is not entitled or does not have the need to access or see a specific data you can just limit the access rights at transaction or application level.

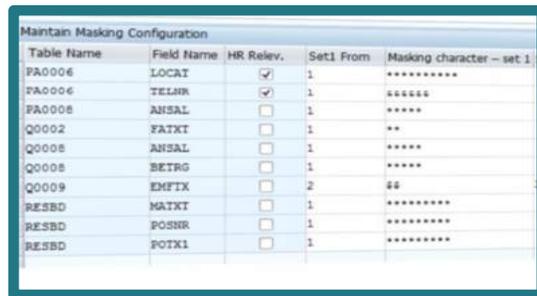
However, there are instances where restrictions cannot be applied to SAP data by means of authorization restrictions. That's where UI Masking comes in to complement yours

SAP authorization design by masking the screen output of sensitive data values at the field level.

UI Masking capabilities

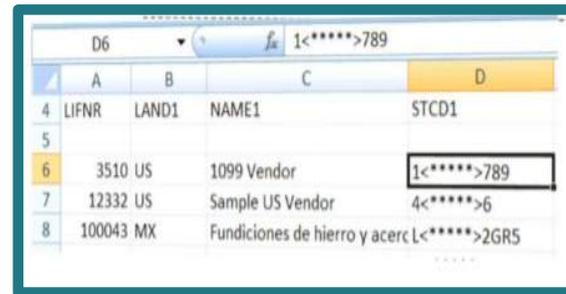
UI Masking provides the following capabilities:

- Technically mask sensitive data before being displayed;
- **Flexibility** in masking of SAP specific fields by using patterns, by applying **full or semi-masking** rules.
- Hence it allows configuration on which data and how it is masked;
- Possibility to configure who is allowed or authorized to see unmasked data;
- **Persistence of data masking**, when exported, downloaded locally (eg.: Through MS Excel) and printed;
- **Traceability** in the monitoring accesses to sensitive masked fields



The screenshot shows the 'Maintain Masking Configuration' table in SAP. It lists various SAP tables and their fields with their respective masking configurations.

Table Name	Field Name	HR Relev.	Set1 From	Masking character – set 1
PA0006	LOCAT	<input checked="" type="checkbox"/>	1	*****
PA0006	TELNR	<input checked="" type="checkbox"/>	1	*****
PA0008	ANSAL	<input type="checkbox"/>	1	*****
Q0002	FATXT	<input type="checkbox"/>	1	**
Q0008	ANSAL	<input type="checkbox"/>	1	*****
Q0008	BETRG	<input type="checkbox"/>	1	*****
Q0009	EMFIX	<input type="checkbox"/>	2	##
RESBD	MAIKI	<input type="checkbox"/>	1	*****
RESBD	POSNR	<input type="checkbox"/>	1	*****
RESBD	POTX1	<input type="checkbox"/>	1	*****



The screenshot shows a SAP data table with columns A, B, C, and D. The data is as follows:

	A	B	C	D
4	LIFNR	LAND1	NAME1	STCD1
5				
6	3510	US	1099 Vendor	1<*****>789
7	12332	US	Sample US Vendor	4<*****>6
8	100043	MX	Fundiciones de hierro y acerc	L<*****>2GR5

Wizya is a team of experts

cumulating decades of SAP security and GRC solutions experience, technical skills and knowledge of business processes across many industry sectors.

We have successfully delivered many projects covering various functional fields which helped us develop a proven methodology from the design phase of the project to the Go-Live, building a tailored process about implemented solutions to meet our customer particular needs.

On the particular functionality of SAP UI Masking, our experts have been extensively trained through an SAP Partner's training. Furthermore, our expertise has been consolidated throughout a number of projects related to UI Masking.



**Our team of GDPR experts will be very happy to share with you
our experience about UI Masking !**

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