

SAP Monitoring with ZABBIX

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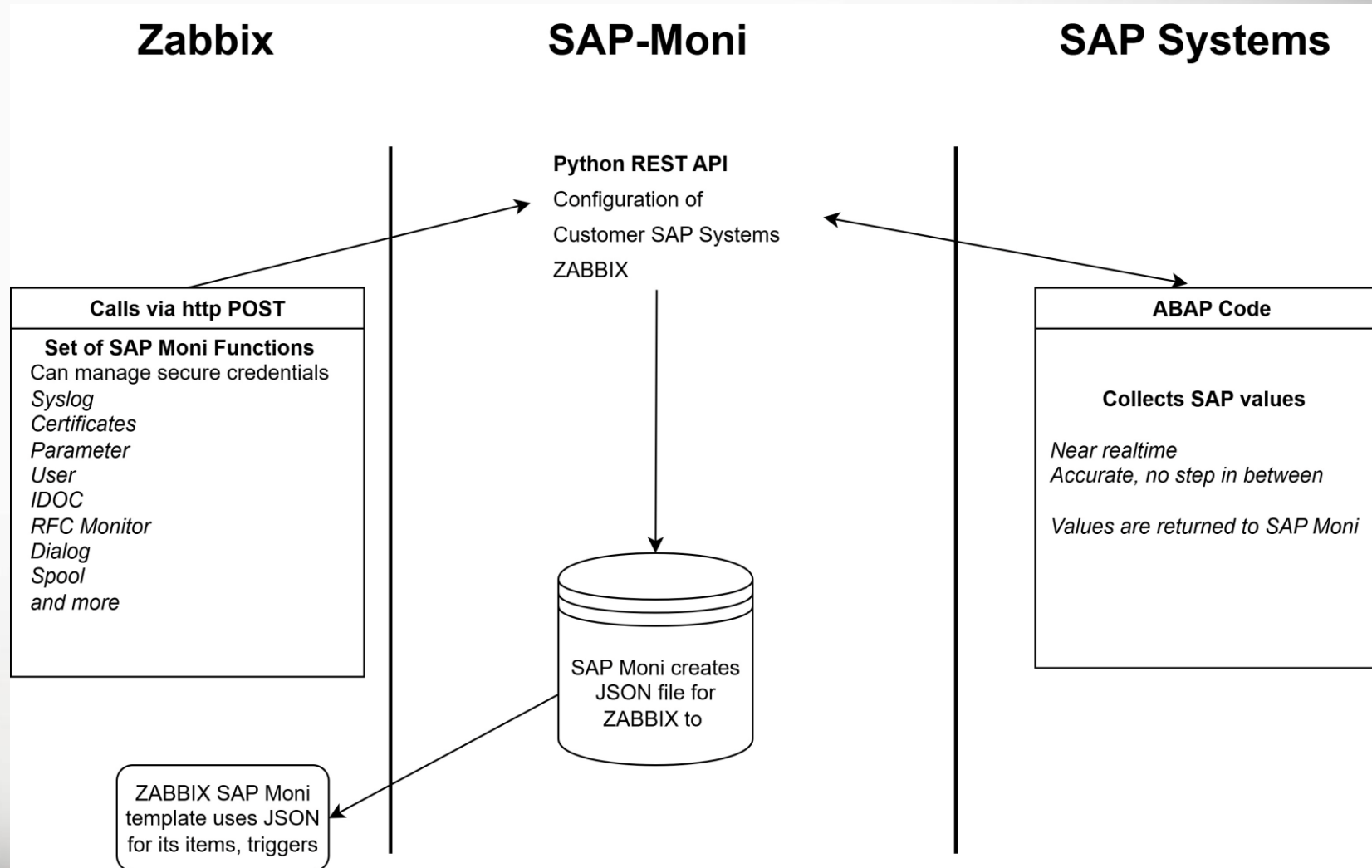
E(i) SAP Monitoring features & versions

	Community (free)	Community (maintained)	LVI Edition
Available for			
ZABBIX	X	X	X
PRTG	-	-	X
Features			
Syslog	-	-	X
Certificates	-	-	X
Parameters	X	X	X
Users	-	-	X
Idoc	X	X	X
RFC	-	-	X
Dialog	-	-	X
Spool	X	X	X
Instance as task status	X	X	X
Update Status	X	X	X
Status	X	X	X
DB server	X	X	X
Short dumps last hour	-	-	X

E(i)SAP – Next Generation SAP Monitoring

- **Problems with traditional CCMS monitoring:**
 - Relies on SAP.NET connector or web portals
 - Often delivers wrong, delayed, or missing data
 - No templates possible (customer-specific SAP setups)
- **E(i)SAP advantages:**
 - Direct data access from SAP
 - Delivers data which could not be collected by CCMS or query
 - Uses RFCs (ABAP-based) when needed for SAP functions
 - Provides more data in **real time**
 - Usage of pre-defined, configurable templates

SAP Moni Design



Comparison Community & LVI Edition

Community Edition		LVI Edition	
SAP Monitoring items			
ZABBIX template		REST API	
Config	per SAP instance	Config	Central, one place
ABAP	Code (delivered)	ABAP	Code (delivered)
Items	Standard, parameters, spool, IDoc	Items	Standard, parameters, spool, IDoc, syslog, certificates, dialog RFC, Users

SAP Database mnitoring	
Status of SAP DB Monitored by ZABBIX templates We actually support	
MSSQL	Set of predefined queries
SAP HANA	Based on longterm experience
SAP CCMS	Based on longterm experience

ZABBIX SAP HANA DB Monitoring Template

- SAPHANA_Alerts
- SAPHANA_Backup_Check
- SAPHANA_Licenses
- SAPHANA_Log_Segments
- SAPHANA_Memory_Caches
- SAPHANA_Execution_Statistics
- SAPHANA_Features_Depricated
- SAPHANA_Features_Version
- SAPHANA_Limits
- SAPHANA_Network_Statistics
- SAPHANA_RowStore_Overview
- SAPHANA_SQLCache_Preparation
- SAPHANA_StatisticsServer_Schedule_Alerts
- SAPHANA_StatisticsServer_Schedule_Collectors
- SAPHANA_Table_IOStatistics
- SAPHANA_Table_Overview
- SAPHANA_Table_TableStatistics

E(i)xM SAP Moni API request

www.lvi-ag.ch

Item

Item

Tags

Preprocessing

* Name

Get iDoc

Type

HTTP agent

▼

* Key

sapmoni.idoc

Select

Type of information

Numeric (unsigned)

▼

* URL

{\$SAPMONI.URI}

Parse

Query fields

Name	Value
Add	

Request type

POST

▼

Request body type

Raw data

JSON data

XML data

Request body

```
{
  "source": "prtg",
  "sensor": "IDOC",
  "profile": "{HOST.HOST}"
}
```