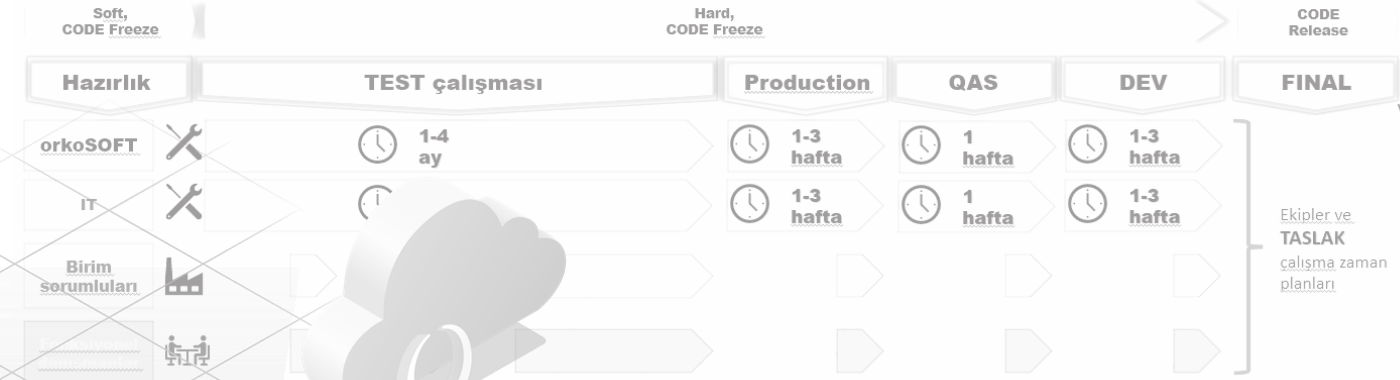
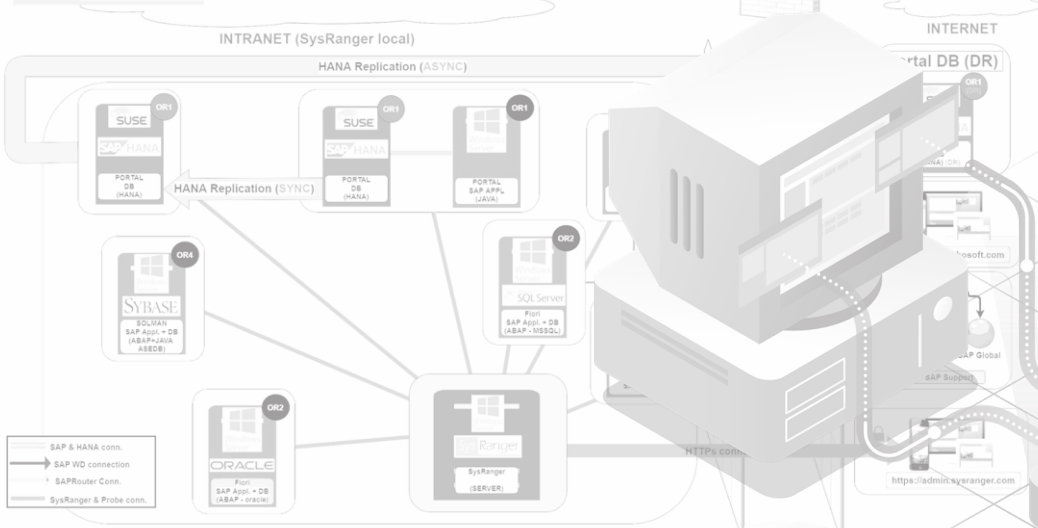


orkoSFT

Build SAP like a Factory

Sys Ranger



Upgrade & Update
EXECUTION
aşamasında
ihtiyaç halinde
tutar.

1-2
gün

Update POST
aşamasında,
Ezilen Objelerin Kod
düzeltilme,
İhtiyaca göre
Test işlemleri

1-2
gün

PRO sistemi Upgrade & Update
çalışması sonrası, TEST çalışmasında
yapılan tüm işlerin req. lerini
tasınacaktır.

1-2
gün

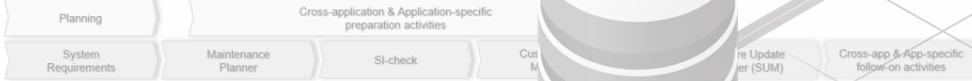
Sistemin beklendiği şekilde
çalıştığının KONTROL edilebilmesi
için planlama yapılmalıdır.

QAS ve DEV sistemleri Upgrade & Update
çalışması sonrası, TEST çalışmasında yapılan tüm
işlerin req. lerini tasınacaktır.

1-2
gün

Sistemin beklendiği şekilde çalıştığının KONTROL
edilebilmesi için planlama yapılmalıdır.

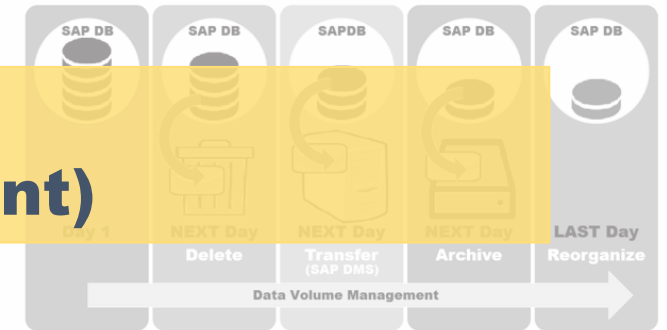
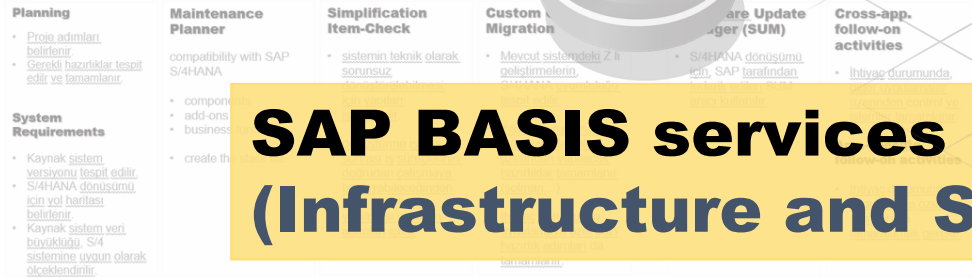
PREPARE phase



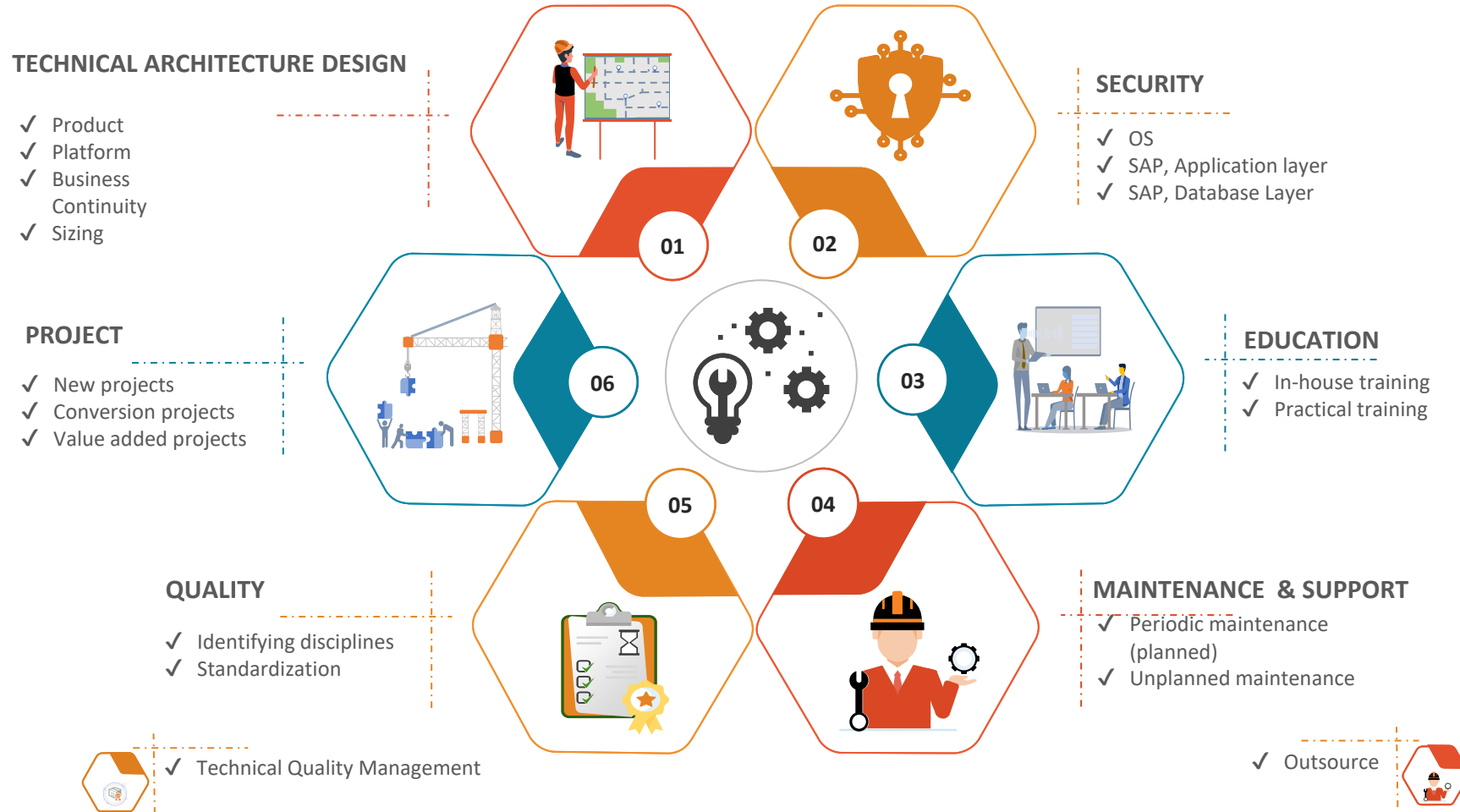
SAP BASIS services

(Infrastructure and System Management)

S/4HANA conversion



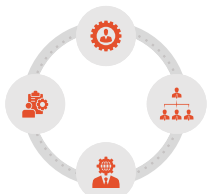
SAP BASIS services



01 TECHNICAL ARCHITECTURE DESIGN

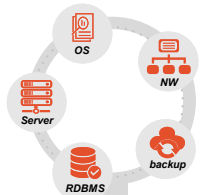


Services



01 PRODUCT

SAP products to be positioned are determined to include SAP licenses



02 PLATFORM

PLATFORM

Alternatives are determined for the positioning of SAP products;

- OS
- Database
- Backup media
- Network needs
- Server (physical, virtual, certified, TDI...)



03 BUSINESS CONTINUITY

Business Continuity

Business continuity requirements, in line with organization needs to be determined;

- CLUSTER (online system backup)
- DISASTER (system backup for disaster scenario)

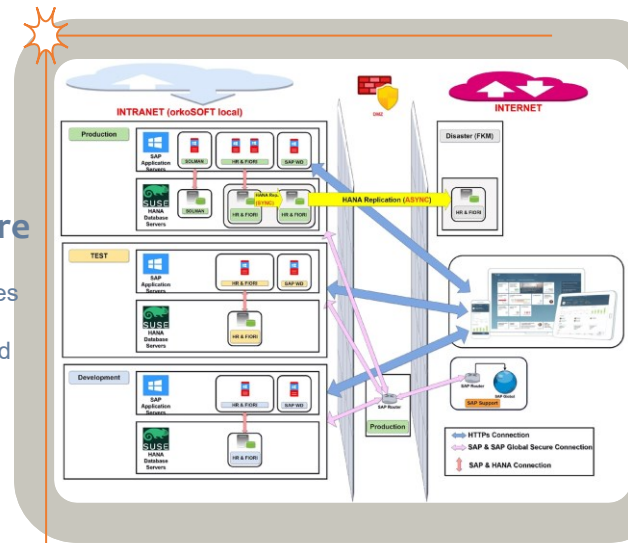


04 SIZING & TECHNICAL ARCHITECTURE

SIZING & Technical Architecture

Suitable for detection in 3 stages

- “server SIZING” is evaluated together with hosting alternatives (on-premises, cloud...).
- Alternatives are determined according to the BUDGET.
- Technical architecture modeling is created.



PRO	TOPLAM :	OS adet	CPU (vCPU)	MEMORY (GB)	DISK (GB)	HANA DB (mem.)(GB)
WINDOWS uygulama sunucuları >>>	TOPLAM :	11	80	576	3,410	
SUSE (HANA DB) sunucuları >>>	TOPLAM :	5				1,216
PRO (DR)	TOPLAM :	OS adet	CPU (vCPU)	MEMORY (GB)	DISK (GB)	HANA DB (mem.)(GB)
WINDOWS uygulama sunucuları >>>	TOPLAM :	11	80	576	3,410	
SUSE (HANA DB) sunucuları >>>	TOPLAM :	5				1,216
DEV	TOPLAM :	OS adet	CPU (vCPU)	MEMORY (GB)	DISK (GB)	HANA DB (mem.)(GB)
WINDOWS uygulama sunucuları >>>	TOPLAM :	8	46	192	2,520	
SUSE (HANA DB) sunucuları >>>	TOPLAM :	5				1,216



SAP System Basic Structure

Services

1 Presentation Layer

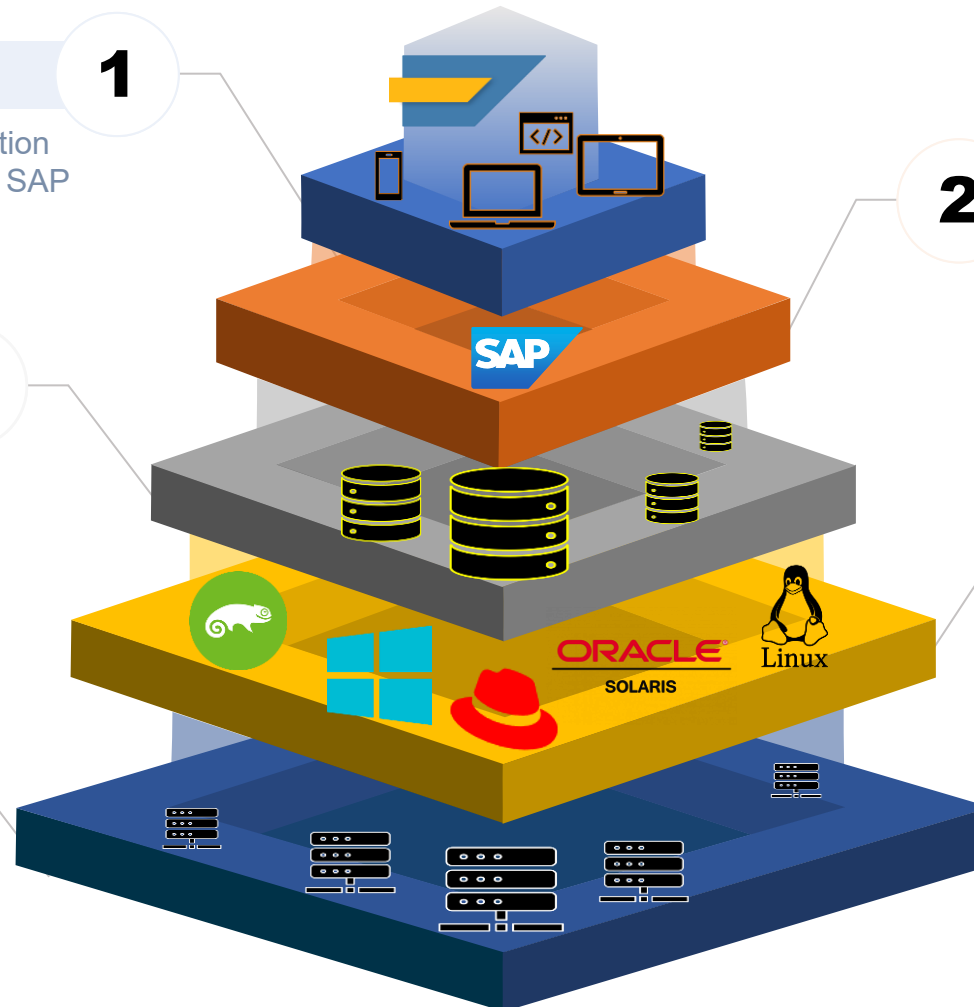
- It is the layer that represents the connection between users or other systems and the SAP system.
- It serves different access types.

3 DB Layer

- It is obligatory to select a database suitable for the SAP system to be positioned.
- It is the layer where the data of SAP systems are stored.

5 Hardware Layer

- It represents the infrastructure created from physical or virtual resources, where SAP systems and their servers are located.



2

2 Application Layer

- Represents the SAP system.
- It is the layer that provides secure transfer of users and corporate data.

4

4 OS Layer

- Represents the operating system on which the SAP system to be located is running.

5

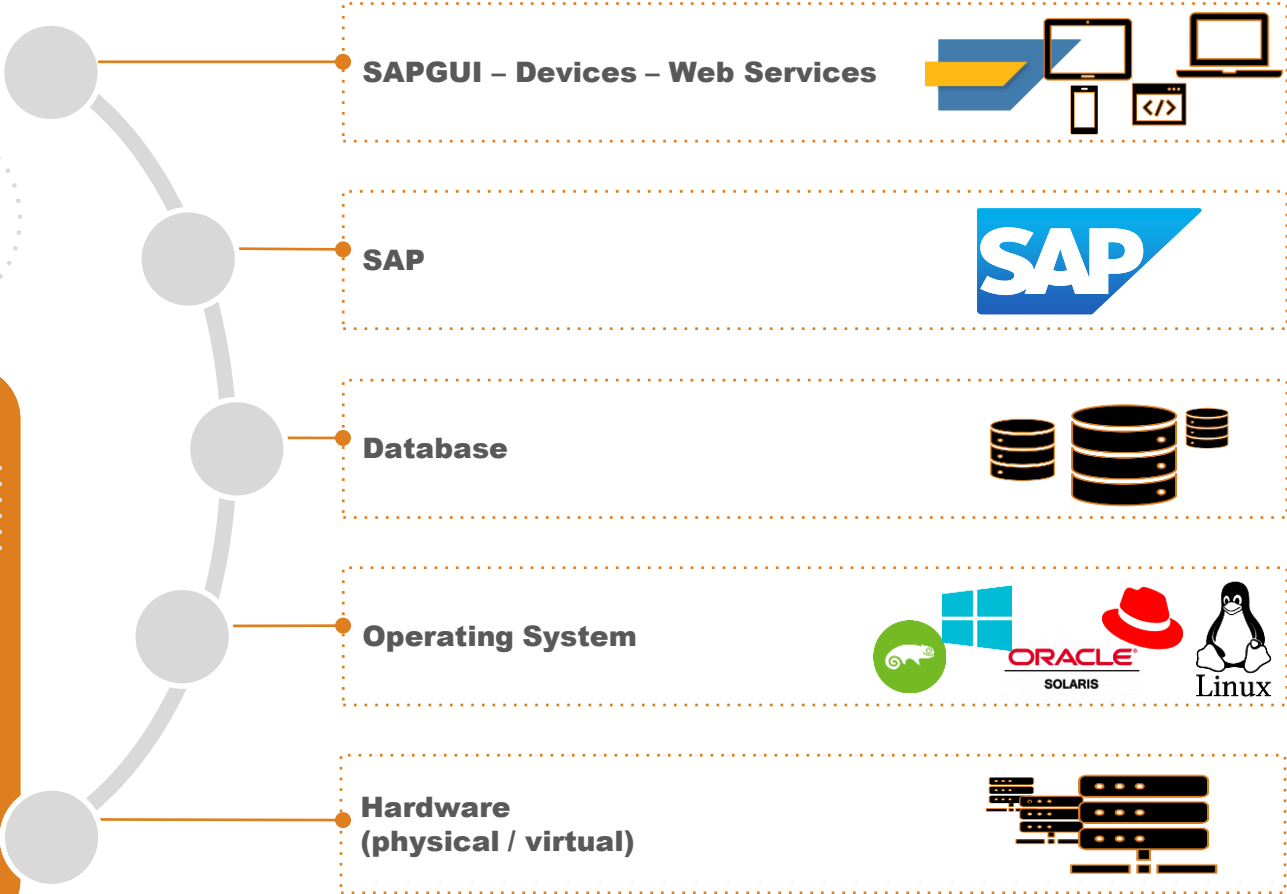


SAP Security Approach



SAP Security Products

Identity and Access Management	Security Configuration and Monitoring	Data Protection and Privacy	Governance, Risk and Compliance	Security Support and Community
SAP Cloud Identity Access Governance	SAP Enterprise Threat Detection	UI data protection	SAP Risk Management	SAP MaxAttention
SAP Cloud Identity Services	SAP Focused Run	SAP Data Custodian	SAP Audit Management	SAP Security Optimization
SAP Single Sign-On	SAP Early Watch Alert	SAP Privacy Governance	SAP Process Control	SAP Security Webcasts
SAP Identity Management	SAP Code Vulnerability Analyzer	SAP Data Privacy Integration	Security Dashboard	Security community for SAP



SAPGUI – Devices – Web Services



SAP



Database



Operating System



Hardware (physical / virtual)

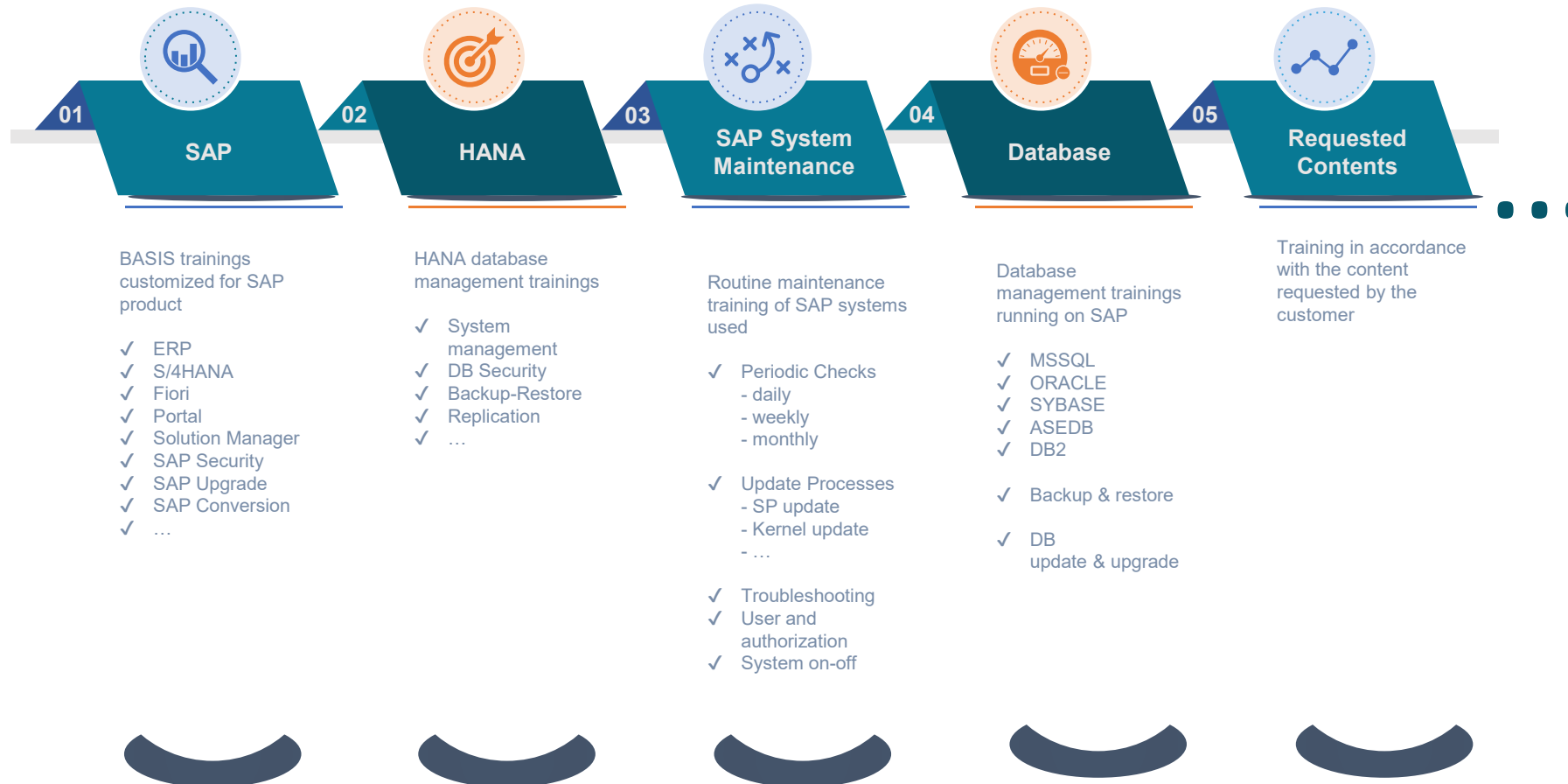


03

EDUCATION

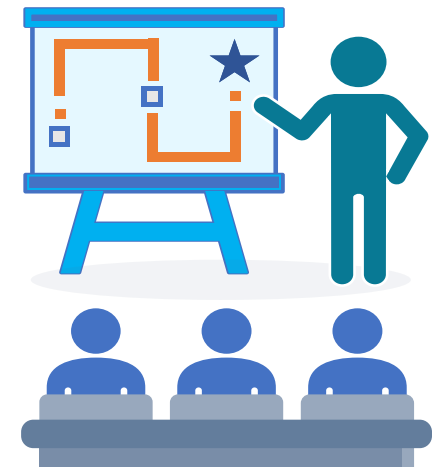


Services



CERTIFICATE

Participants at the end of the training a certificate of participation is provided.





	SLA 1		SLA 2		SLA 3		SLA 4	
öncelik	acil		yüksek		orta		düşük	
süreler	müdahale süresi	çözüm süresi	müdahale süresi	çözüm süresi	müdahale süresi	çözüm süresi	müdahale süresi	çözüm süresi
CANLI sistemler	30 dakika	4 saat	2 saat	4 saat	4 saat	48 saat	2 gün	5 gün
Geliştirme & TEST sistemleri	2 saat	4 saat	4 saat	8 saat	24 saat	48 saat	4 gün	8 gün

1. level employee training



In case of requested; By giving 1. level training to the determined responsible person, the TOTAL service quality is increased, and it is aimed to gain customer independence.

client

1. level support

- Incoming requests are met by 1. level consultants.
- The problem is analyzed, and root cause of the problem is determined.
 - Problems originated from application – infrastructure...are escalated to expert determined by customer and customer is informed.
 - BASIS-related problems are resolved, and the customer is informed.



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3. level support

- The problem is analyzed, and the root cause of the problem is determined.
 - Problems originated from application – infrastructure...are escalated to expert determined by customer and customer is informed.
 - BASIS-related problems are resolved, and the customer is informed.
- Problems originating from BASIS that **cannot be solved at the 3. level** are raised to SAP via support.sap.com with a ticket and the problem is resolved by SAP.

2. level support

- The problem is analyzed, and the root cause of the problem is determined.
 - Problems originated from application – infrastructure...are escalated to expert determined by customer and customer is informed.
 - BASIS- related problems are resolved, and the customer is informed.
- Problems originating from BASIS that **cannot be solved at 2. level** are forwarded to the 3. level BASIS team.

- Problems originating from BASIS that **cannot be solved at 1. level** are forwarded to the 2. level BASIS team.

- The customer is informed.



1. level

2. level

3. level

Consultant experience

1-3 year

4-6 year

7+ year

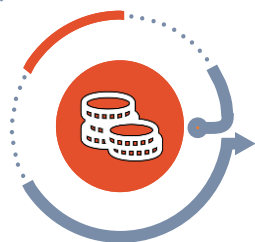

“Outsourcing” service
Services

Productivity

- Focusing on core competency and increasing efficiency
- More efficient use of internal resources


Speed

- Acceleration of products and services in time to market
- Use of additional resources to shorten the duration of the work done


Cost

- Reducing operating costs
- Reduction of investment costs/ (conversion of fixed cost to the variable)
- Knowing the costs in advance


Continuity

- Use of additional resources in case of a shortage of internal resources


Flexibility

- Quick access to variable job capacities
- More flexibility to meet changing business and commercial conditions


Risk

- Quick access to expert resources
- Reducing cost and technology risks





Services

It is aimed to provide value-added services for SAP systems in use. With 2 different studies, budget advantage and system performance improvements are realized.

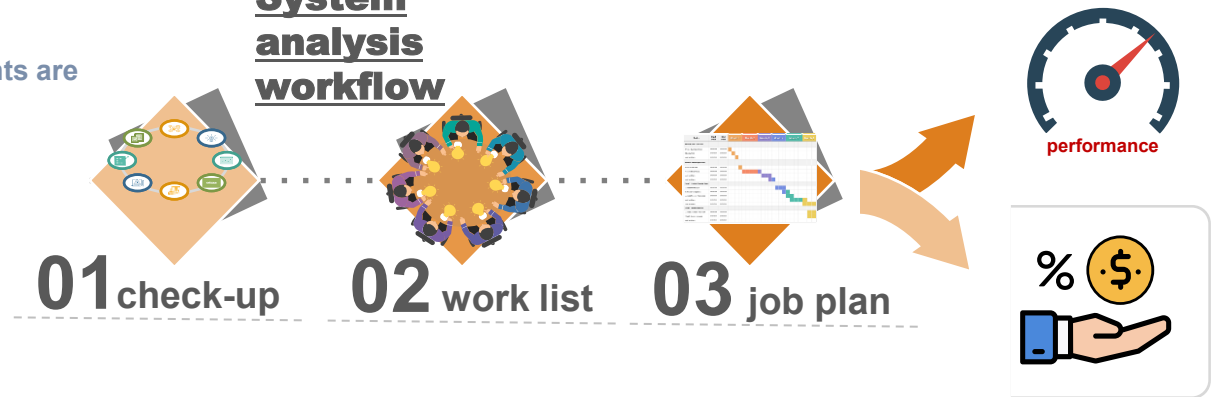
1. System overview analysis

- Check-UP is done for currently used SAP products.
- After the Check-UP control, the needs and deficiencies, if any, are determined.
- A project plan is created to implement the findings on SAP products.

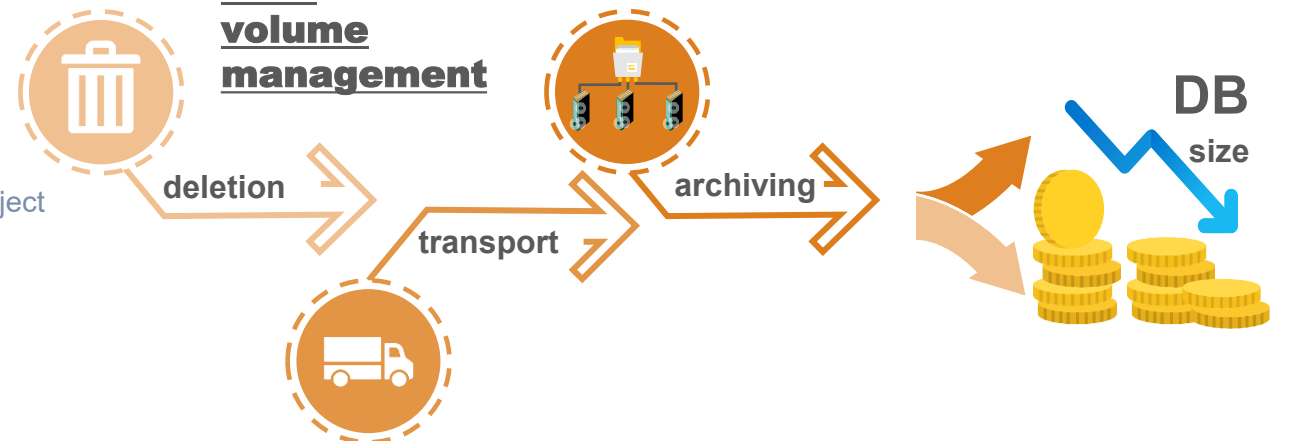
2. Data Volume Management:

- SAP system database analysis is done.
- After analysis;
 - can be deleted,
 - can be migrated to the document management system,
 - can be archived
 data is determined.
- A possible acquisition approach is presented, and the data simplification project plan is created.

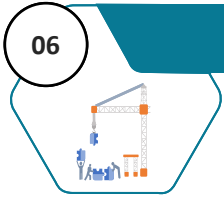
System analysis workflow



Data volume management




“Technical Quality Management” service

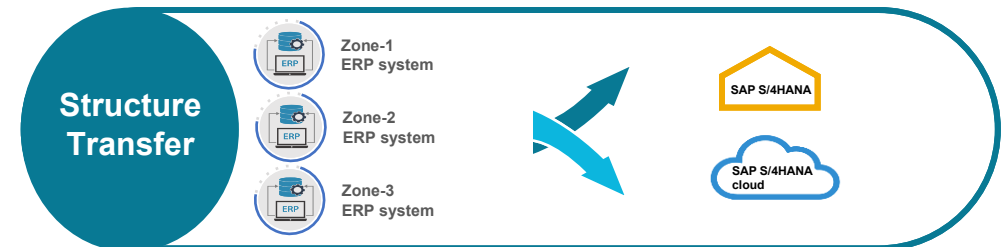
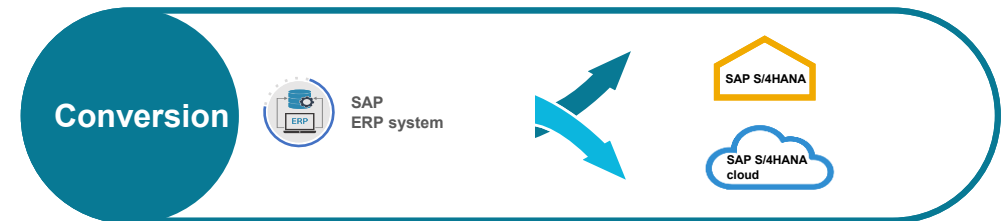
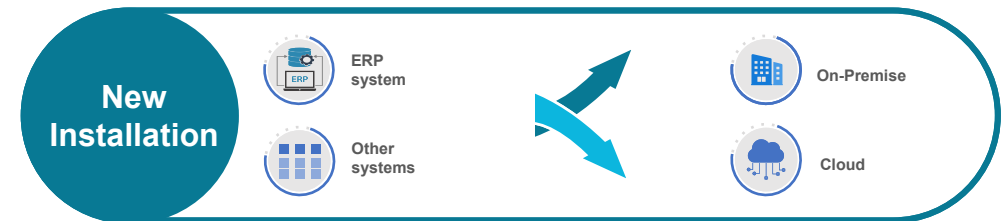



New projects

- Project requirements are determined for the project according to SAP modules and products
- and in accordance with the prepared project plan to go-live.

Projects to be carried out for existing systems

- Occurring after SAP products GO-LIVE, "update, upgrade, Unicode conversion..." project requirements are determined for their needs
- and implemented in accordance with the prepared project plan.
- project samples;
 - minor version update
 - major version upgrade
 - OS & DB migration
 - HANA migration
 - S/4HANA conversion
 - Unicode conversion
 - OpenText <> SAP Content Server content transfers
 - ...





SYSTEM MONITORING tool (SysRANGER)

Host monitoring

- CPU
- Memory (physical, virtual, swap)
- Disk
- CPU/Mem usage history
- OS running jobs
- OS running services
- OS Events (Windows)
- Service connection Check
- Ping Check
- Network graph

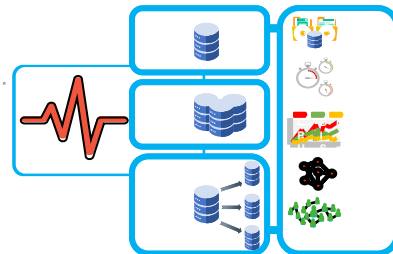


Database monitoring

- Status Check
- User connection control
- SAP connection control (R3Trans)
- Data and log size control
- License check

Hana monitoring

- System overview
- "Service Memory" usage
- "Backup" listing
- "Backup" size" prediction
- Active statements list
- Connection list
- Transaction list
- Task list



SAP monitoring

- Access point list
- Alert table
- Process monitoring
- Queue statistics
- Gateway clients
- Work process table
- System logs
- Developer traces

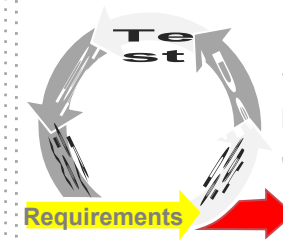
Instance ICM Monitoring

- ICM Threads
- ICM Connections
- ICM Cache table
- ICM Proxy connections



Non-SAP monitoring

SysRANGER tool was developed by orkoSFT



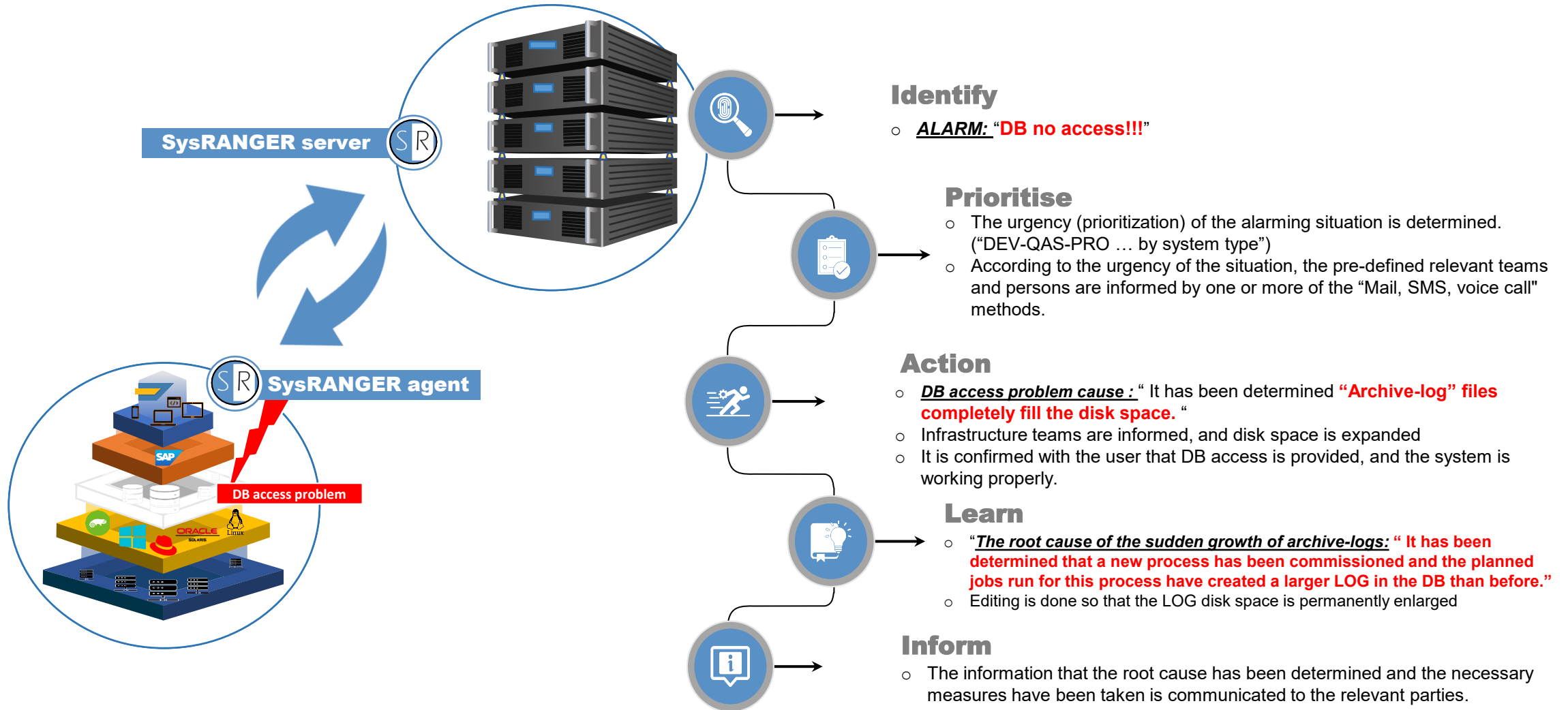
For special requests; Non-SAP applications can also be monitored with "additional enhancements"



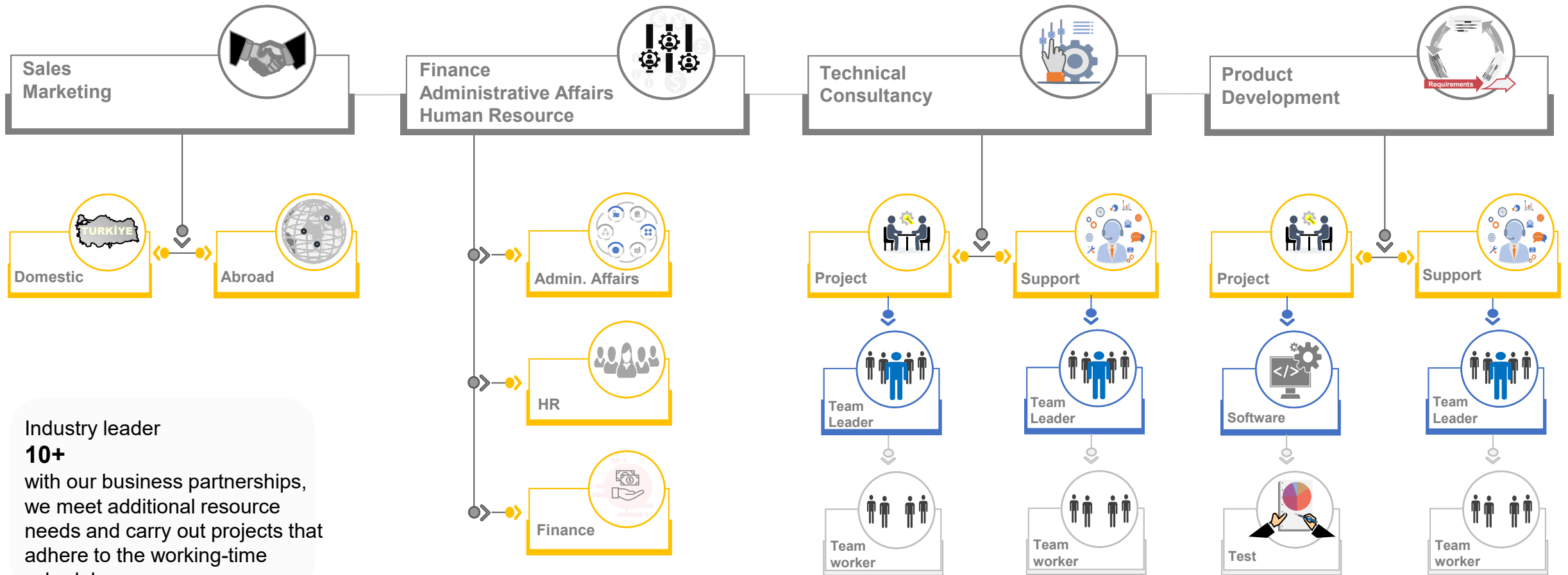


SYSTEM MONITORING tool (SysRANGER)

SAP monitoring - sample scenario



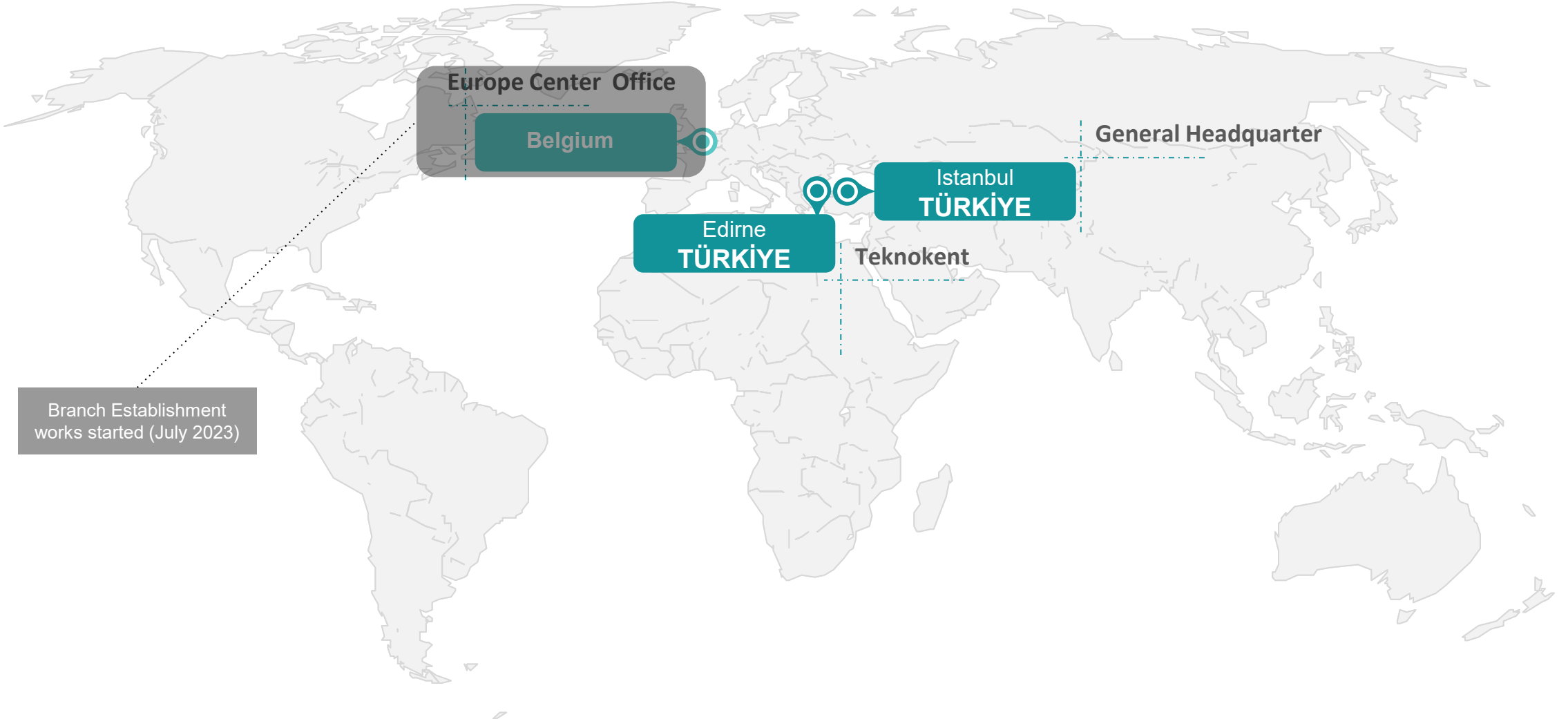
Organization Structure



Industry leader

10+

with our business partnerships,
we meet additional resource
needs and carry out projects that
adhere to the working-time
schedule.

BRANCHES

Current Status



Status: 2023, 1st quarter



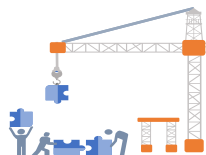
50+

Active clients



20

“Maintenance and Support” service clients



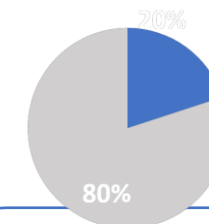
5

Projects



15

Team



%2

Abroad income rate



All times

300+

Clients

200+

Maintenance clients

500+

Projects

orkoSOFT

SAP BASIS services (Infrastructure and System Management)

REFERENCES

