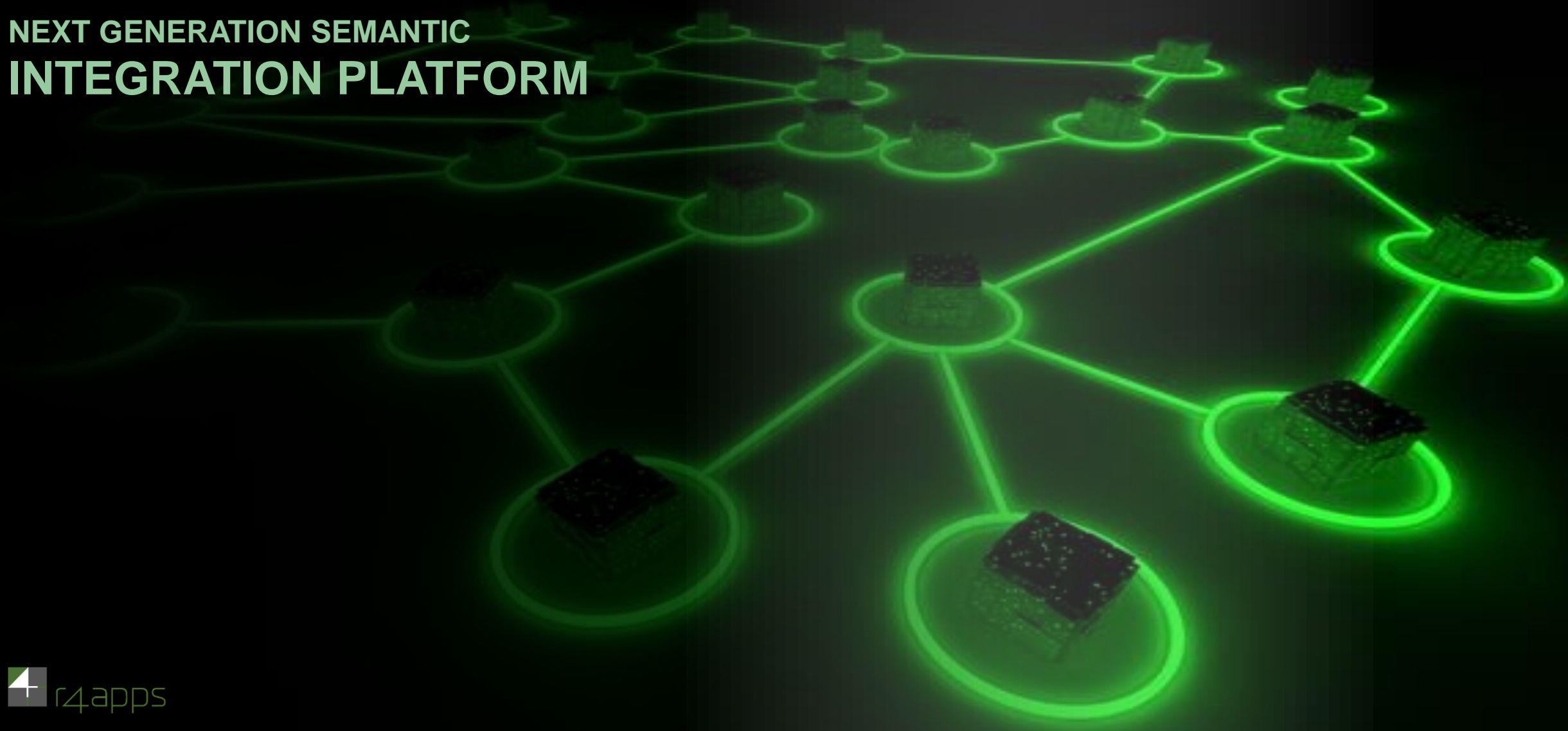


# NEXT GENERATION SEMANTIC INTEGRATION PLATFORM



# r4apps for Digital Solutions

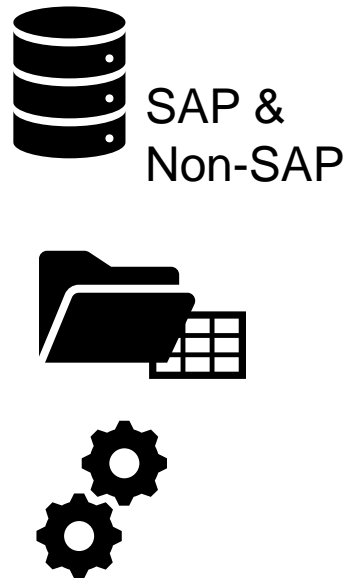
## Application Areas



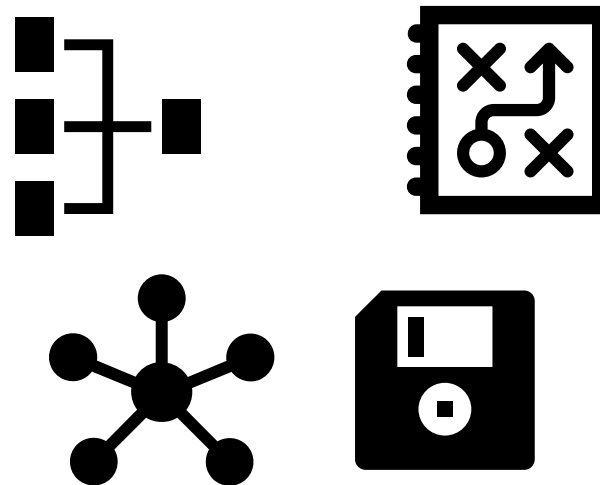
# The r4apps approach

*Rapid Digital Solutions*

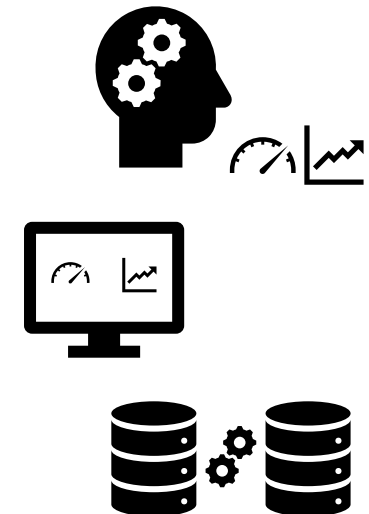
**Connectivity:**  
extract Data



**Apps:**  
use connected Sources to  
solve Business Problems

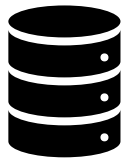


**Consumption:**  
r4apps reports,  
m2m communication,  
3<sup>rd</sup> Party Software



# The r4apps approach

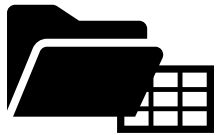
*Rapid Digital Solutions*



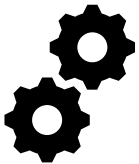
## Connectivity:

various Sources and Streams can get connected.

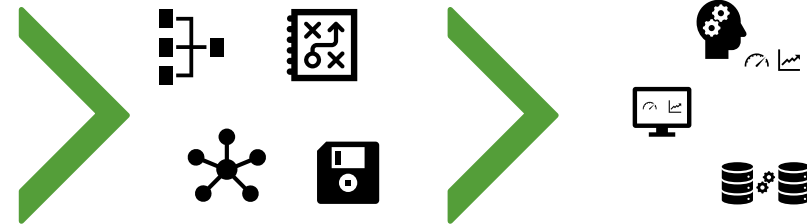
SAP Systems, Oracle, IBM, Excel etc.



Structural metadata specifies access to Data Objects (ie. Sales Orders) and Data Tables.

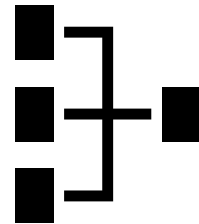
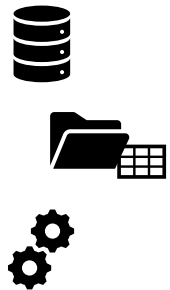


Usual deployment options ensure that the Data never leaves your own Corporate Network.

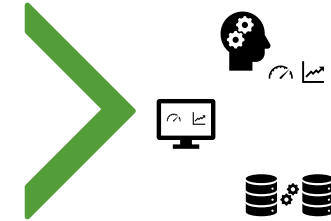


# The r4apps approach

*Rapid Digital Solutions*

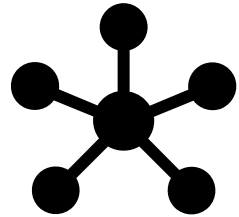
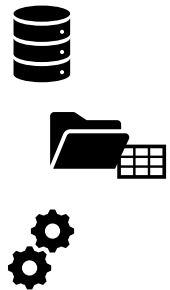


Semantically identical metadata integrate to homogenous **Data Sources**.  
Filters can be preconfigured, so that these Data Sources have a minimal impact on the source system.



# The r4apps approach

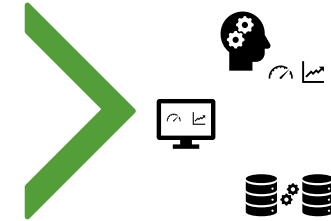
*Rapid Digital Solutions*



If the homogenization of Objects is required or new objects need to be modeled on the fly, this is possible with the **Business Objects Builder**.

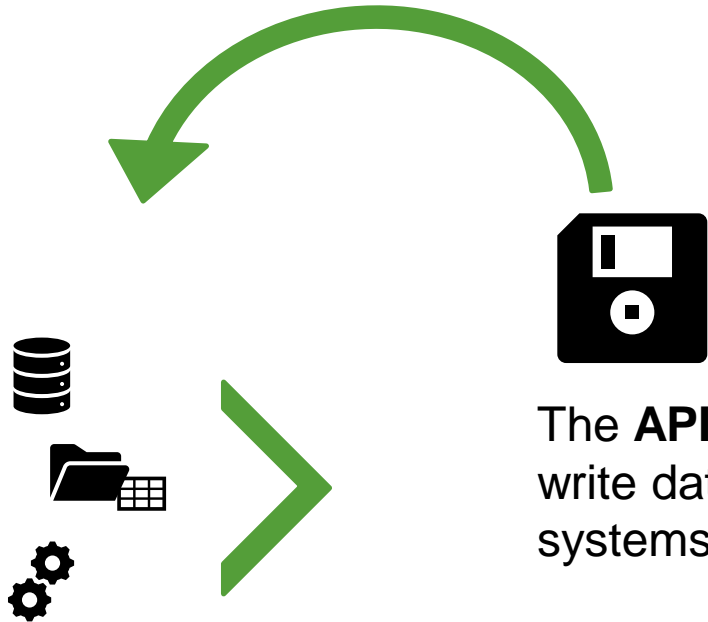
**Data Transformations** can be executed on models, without reloading Datastructures like Cubes.

Filters are dynamically forwarded to the source for further improved performance.



# The r4apps approach

*Rapid Digital Solutions*



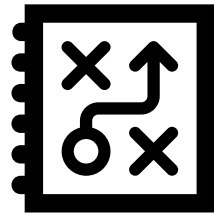
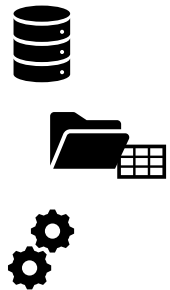
The **API Writer** has the capability to write data back in one or several source systems.

Event based, scheduled and manual triggers are available.

This functionality enables to a closed circuit system, which is required for e.g. Data Quality Improvement projects.

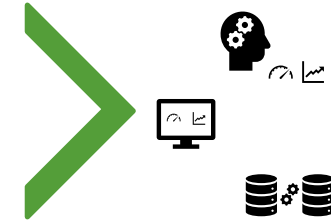
# The r4apps approach

*Rapid Digital Solutions*



The **Simulation Workbench** enables business users to analyze data with Machine-learning Algorithms.

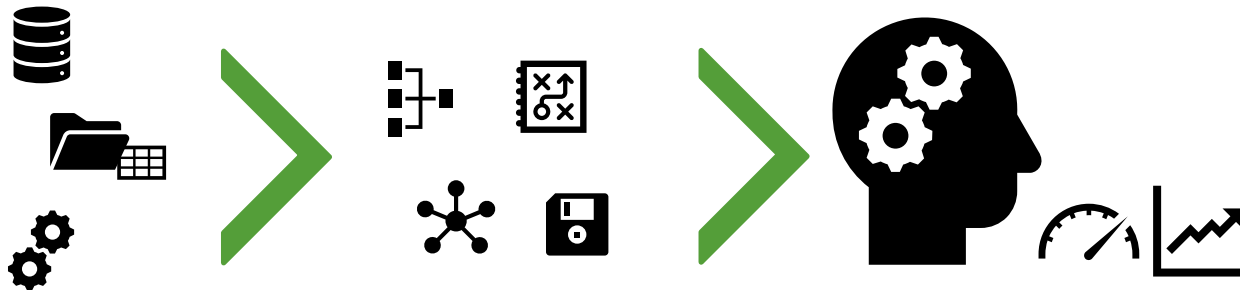
**R-Server** is used as open source industry standard to run Data Science Algorithms. This enables to reuse already existing internal IP.





# The r4apps approach

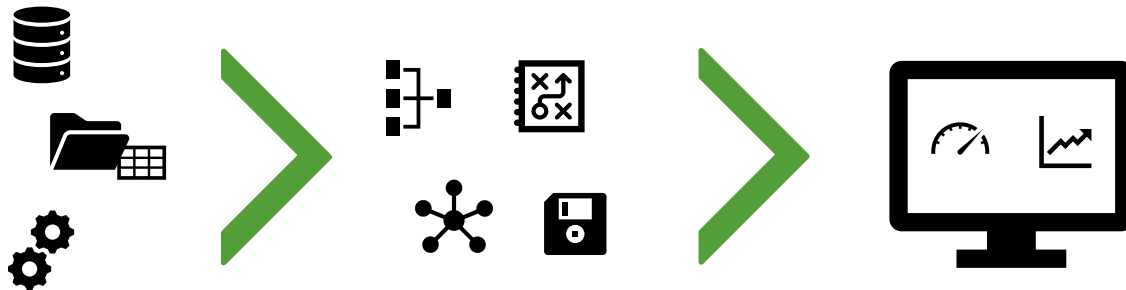
*Rapid Digital Solutions*



The integrated **Report Designer** enables business users retrieve important information with one click.

# The r4apps approach

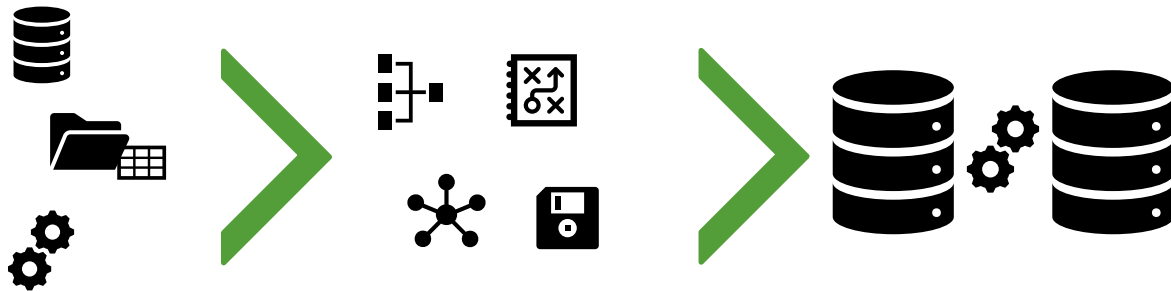
*Rapid Digital Solutions*



With the **REST Web API** existing systems can be used as presentation layer to proceed with reporting tasks.

# The r4apps approach

*Rapid Digital Solutions*



With the **ServiceUI** a machine to machine communication can be established, where the r4apps platform is used as decision trigger for sophisticated process automation.

**Questions?**

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# r4apps semantic Integration Platform

*Thank You*

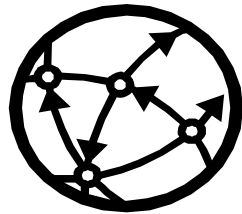
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**Thank You!**

**Contact:**

Frank Niedermeyer

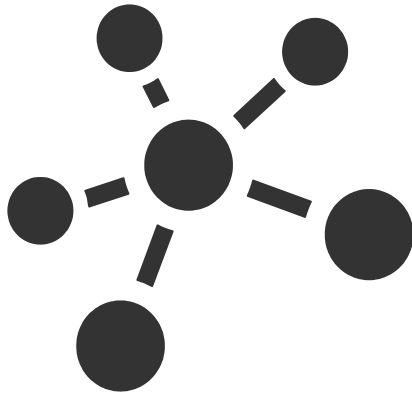
[frank.niedermeyer@r4apps.com](mailto:frank.niedermeyer@r4apps.com)



## Mergers & Acquisitions

**Accelerated visibility and transparency** during M&A as of Day 1 after connecting R4Apps

Facilitate **mapping and accounting harmonization** by reviewing key transactions in ERP



## Master Data Management

**Global overview & challenge** of existing mappings, translations and allocations as a result of centralization

**Global housekeeping** (e.g., identify unused accounts and/or cost centers to reduce account recs).

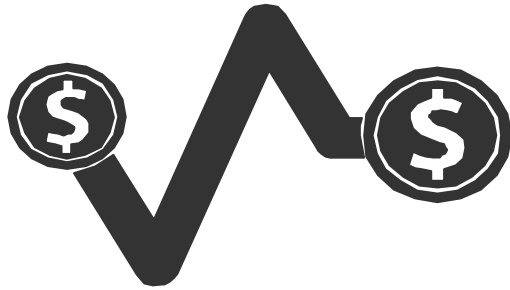


## Profitability Analysis

**Identification** of systems with key data, manual interactions to provide sales, volume, costs by brand/SKU. Implement global brand P&L ahead of major systems upgrades/ consolidation.

Validation of **global consistency** of prescribed rules to define the brand profitability (e.g., overhead allocation)

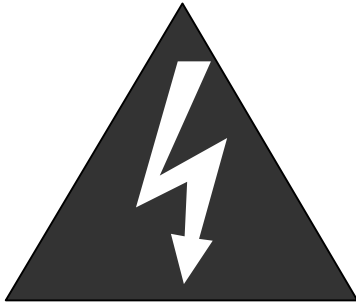




## Closing Enhancements

Increased **closing governance** by monitoring late entries during close process and increase accountability

**Proactive reconciliations** (e.g., proactively validate that intercompany journal entries are recorded only on intercompany accounts & currency conversion validation)



## Risk Management

Global **customer / supplier screening** with watchlists & integrated google searches for credit risk analysis

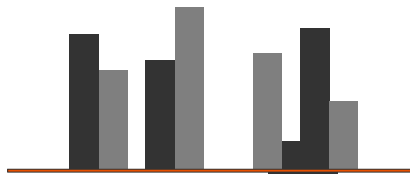
Global **SOD validation** for key activities (e.g., customer creation, collection & write-offs)

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# r4apps for Digital Solutions

*Application Areas: Global KPIs, Shared Services*

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## Global KPIs, Shared Services

Facilitate **strategic initiatives** (e.g., sourcing) by collecting KPIs directly from the source systems (e.g., spent, volume, procurement)

**Benchmarking**, objective (single source of truth) data

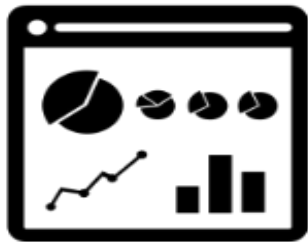
**Global Shared Services**, connect to hundreds of source systems and create flexible reporting across any dimension (region, organisation, SKU, customer, brand, etc.)



## Real-time Data

Ongoing “**real-time**” reporting of key P&L lines to foster visibility and management action pro-actively vs. at the end of the month;  
**Continuous control monitoring**

**Enhanced supply chain reporting** to optimize logistics & delivery schedules



## Enhanced Cost Monitoring

**Global Cost monitoring** by centrally reporting budget position on demand rather than at month/quarter end

Validate POs when being created with the approved budgets to **proactively avoid cost** rather than retroactively take action on cost overruns

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# r4apps for Digital Solutions

*Application Areas: Future Automation, RPA*

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## Future Automation, RPA

Get ready today for the RPA automation of tomorrow by having **enhanced documentation, standardization and process mapping**