



OANALITICA

Machine Learning in action for SAP

INDEX



OANALITICA SOLUTIONS - INTRODUCTION

 **oanalitica**® is based on different tools to improve your SAP operations using machine learning techniques.



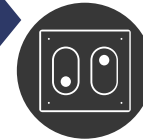
2-Reporting

Automated reports for SAP ERP, SAP S/4HANA, SAP BW, HANA & Security



1-ETL (Agentless)

Extraction tool without to install anything in your infrastructure. Ready to use.



3-SAP IT Operational Dashboard

Executive dashboards with the most important metrics using forecasting to focus in the most important things

OANALITICA SOLUTIONS – ARCHITECTURE

On Premise

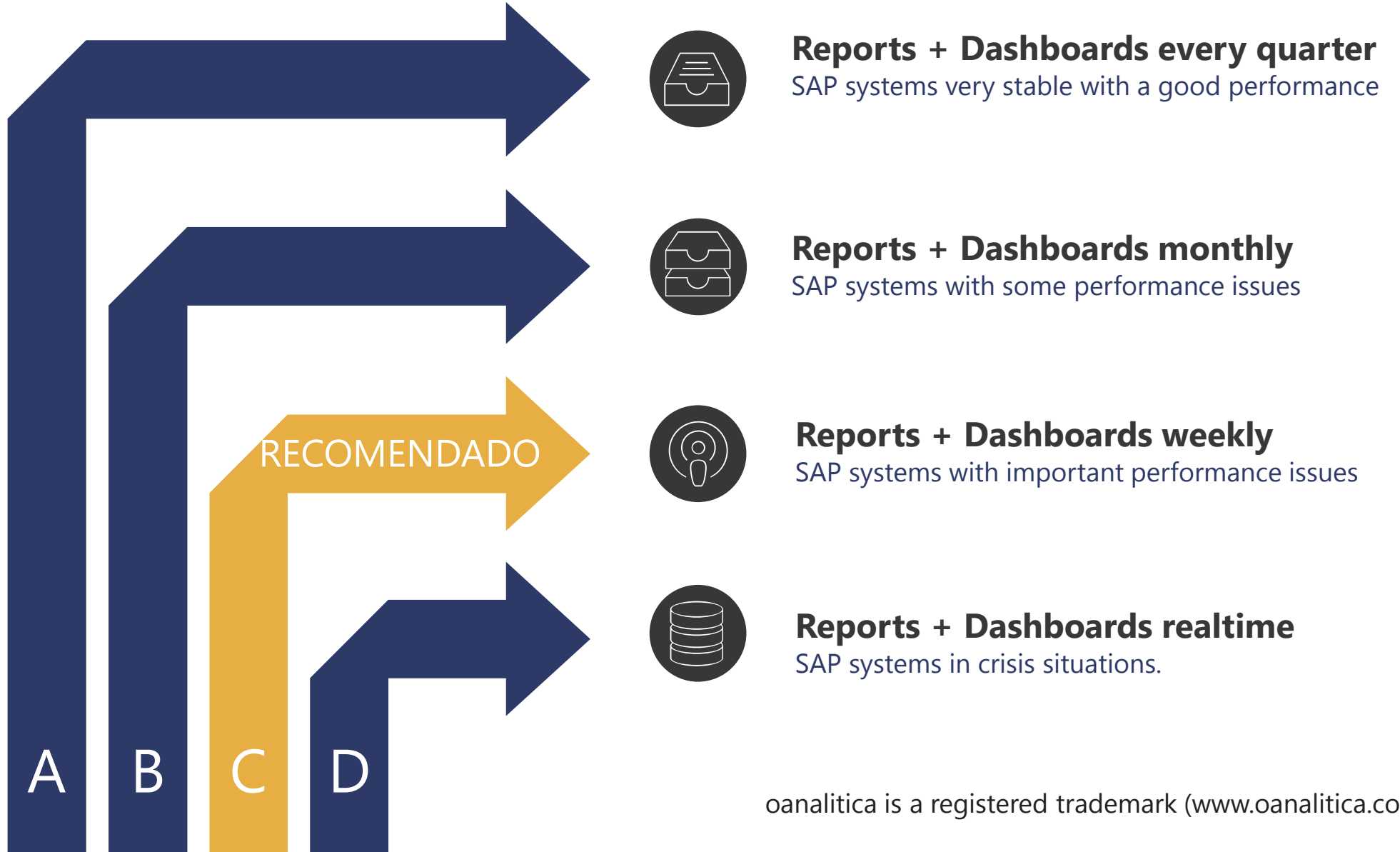
Cloud



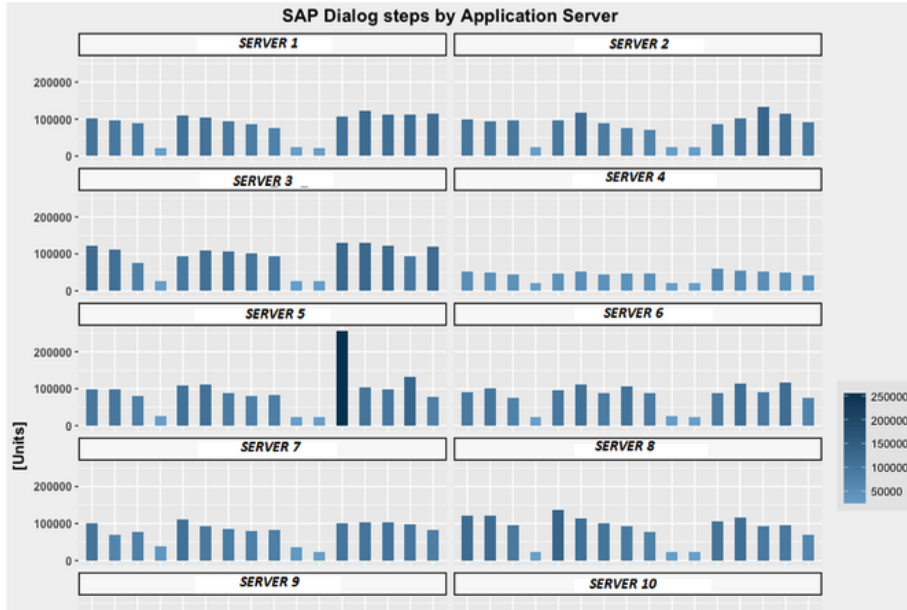
SAP Router



OANALITICA SOLUTIONS – DEPLOYMENT OPTIONS



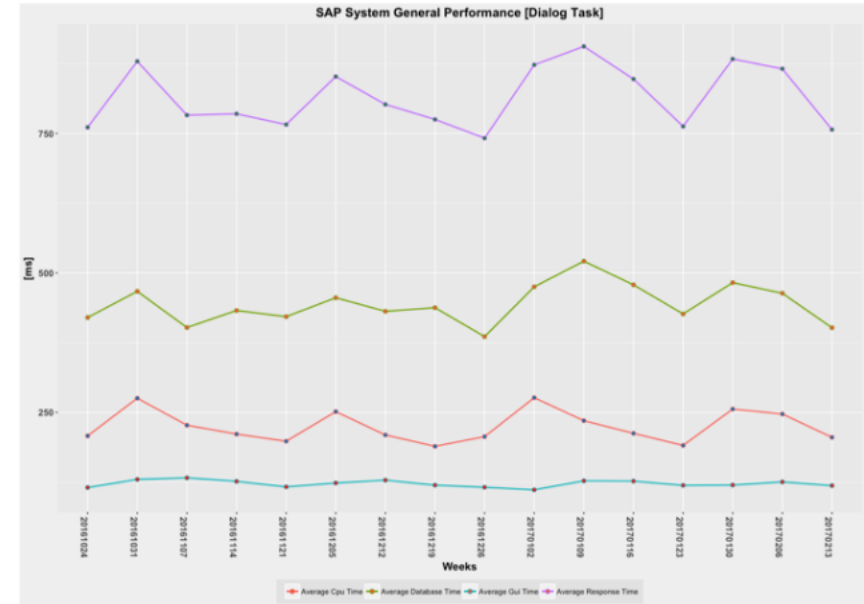
REPORTS – DESCRIPTIVE SECTION



Average dialog steps by application server

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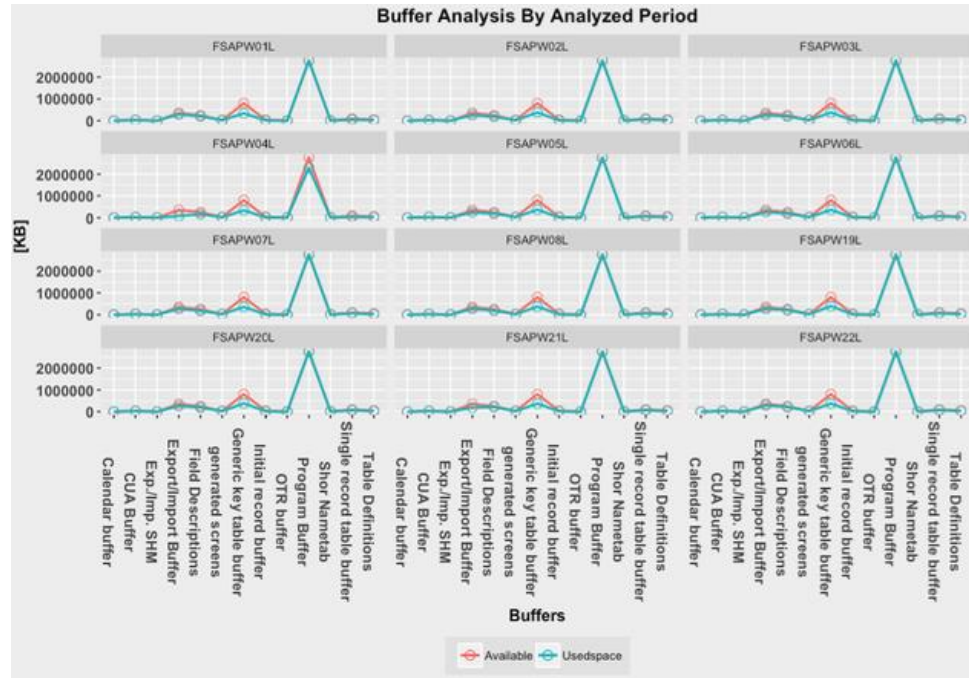
Historic data about the most important metrics like CPU, DB or GUI



REPORTS – DESCRIPTIVE SECTION

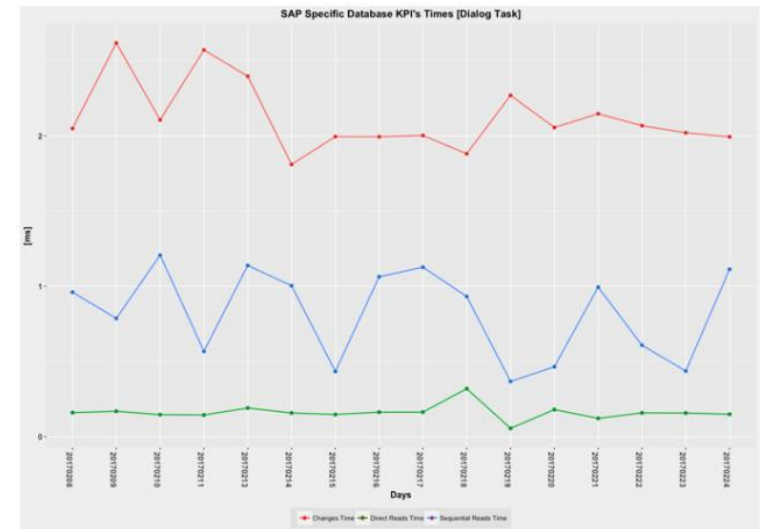


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SAP buffer used/free storage analysis information

Database read, write and changes analysis



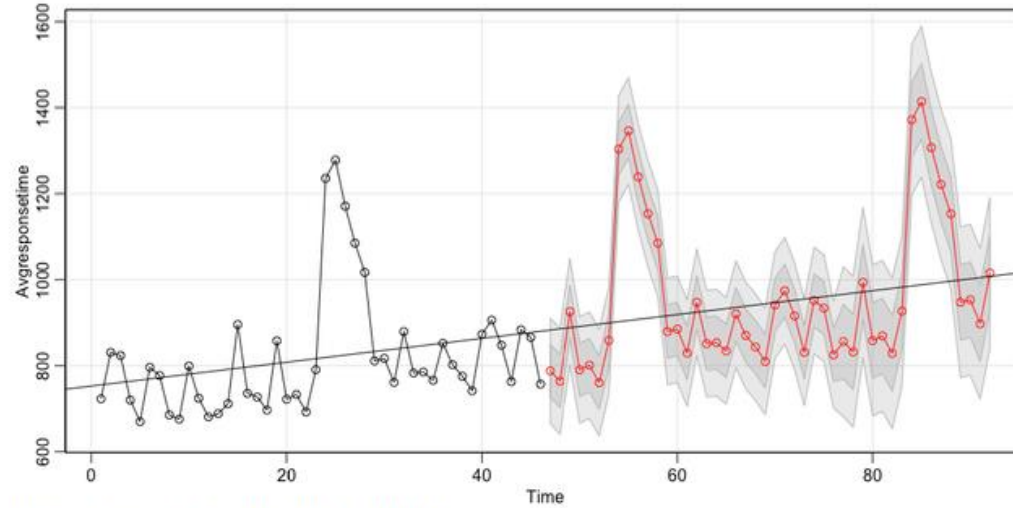
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SAP Performance Analysis powered by



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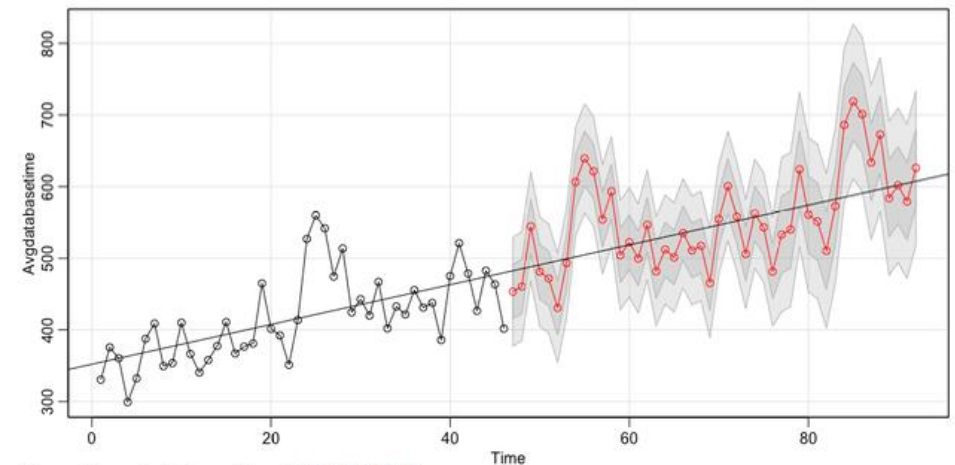
Average Response Time



time (Avgresponsetime) 2.770703

Forecasting for average response time

Average Data Base Time



time (Avgdatabasetime) 2.776853

Forecasting for average database time

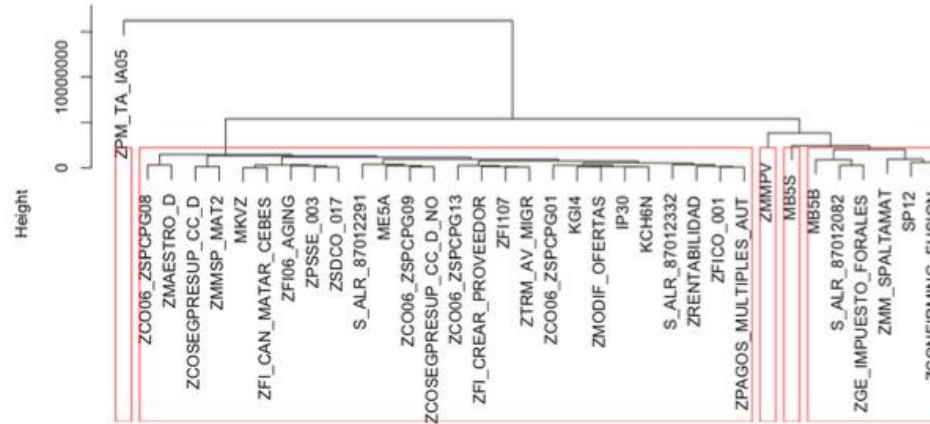
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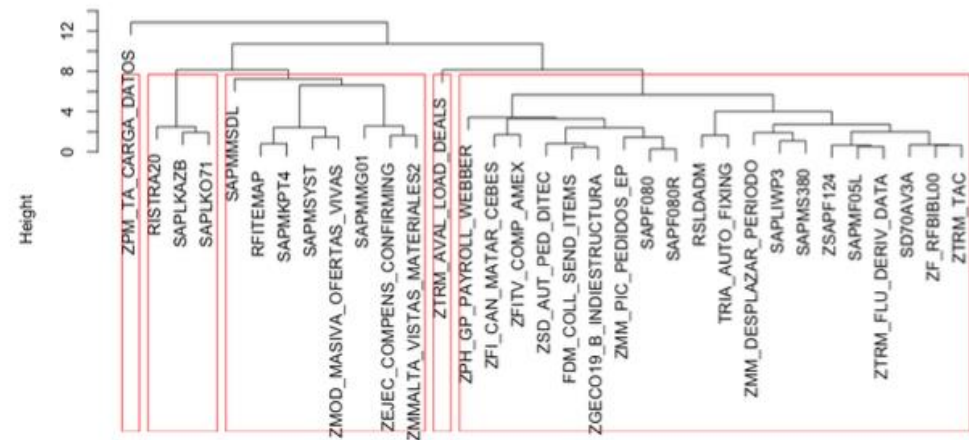
Cluster Dendrogram



Multidimensional clustering analysis for expensive reports/transactions

hclust (*, "ward.1")

Cluster Dendrogram



Multidimensional clustering analysis for users

hclust (*, "ward.D2")

REPORTS – ACTION PLAN

General Status



The system is OK, but some actions need to be applied to improve system health!

Action Plan

*Action Plan Status. Check all **KO** and apply action*

Steps	Status	Description
Dialog Steps by Application Server	KO	Check Action
Main KPI's: Weekly Activity	KO	Check Action
Main KPI's: Daily Activity	KO	Check Action
DB Direct Read Analysis	OK	No Action
DB Sequential Read Analysis	OK	No Action
DB Changes Analysis	OK	No Action
Total DB Time in TOP Transactions	OK	No Action
Buffers Description: Increase	KO	Check Action
Buffers Description: Decrease	KO	Check Action
SAP Wait Time Analysis	OK	No Action
SAP Lock Time Analysis	OK	No Action
SAP Gui & Roll WaitTime Analysis	OK	No Action
SAP Roll in Time Analysis	OK	No Action
Time Series Forecasting	KO	Check Action

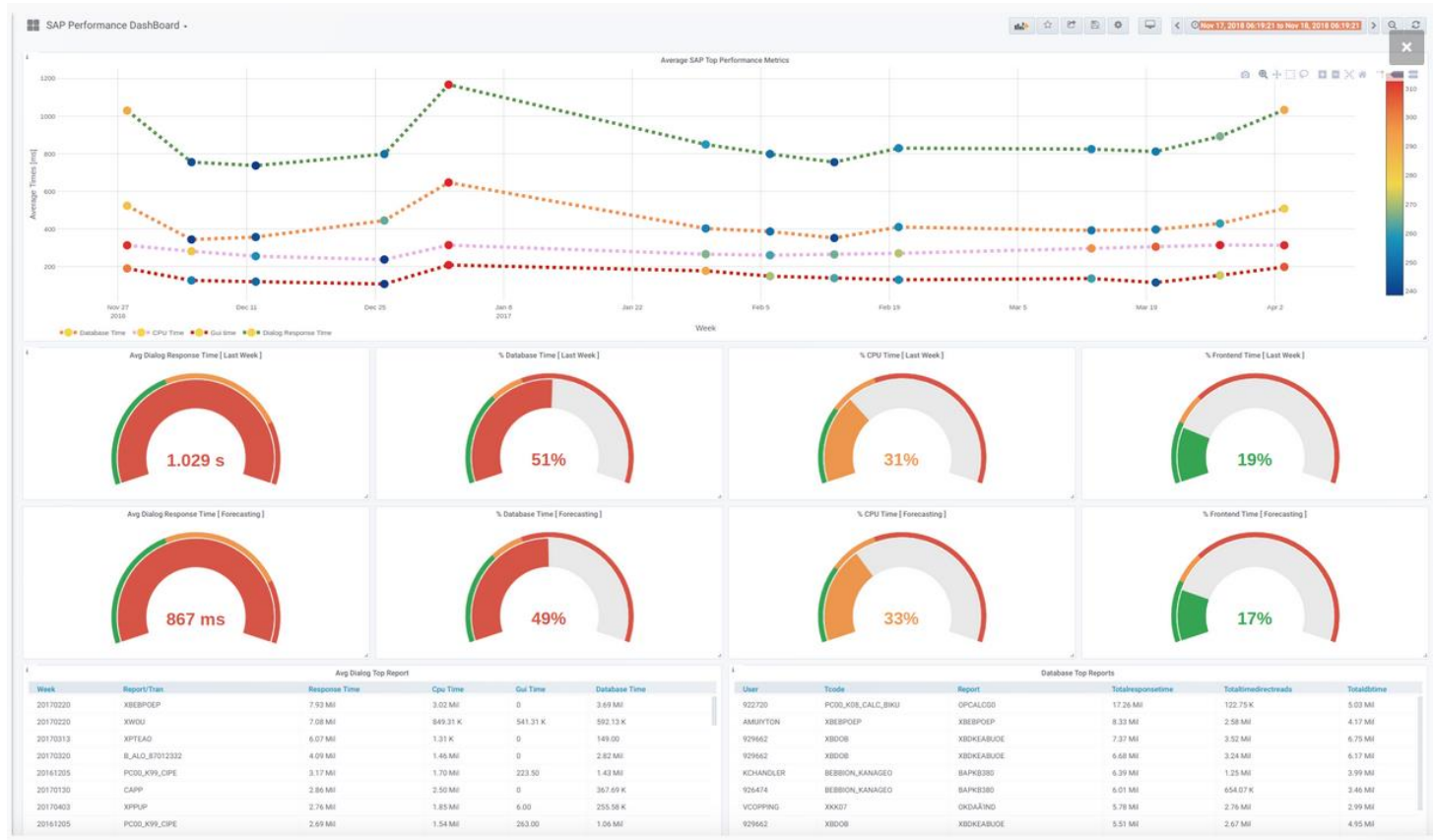
SAP Performance Analysis powered by



- Action plan to focus in the tasks that you must implement to improve performance and stability
- Specific sections with recommendations and OSS notes for the specific issue

DASHBOARD – EXECUTIVE VIEW

Cuadro de mandos ejecutivo powered by



- Executive dashboard with the most important metrics and their forecasting
- Specific section based on the metrics and forecasting with the most contributors for the performance issues (Reports, users, transactions, frontends,...)

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