SAP Community Call
For SAP Cloud ALM Experts

SAP SE
October 2022

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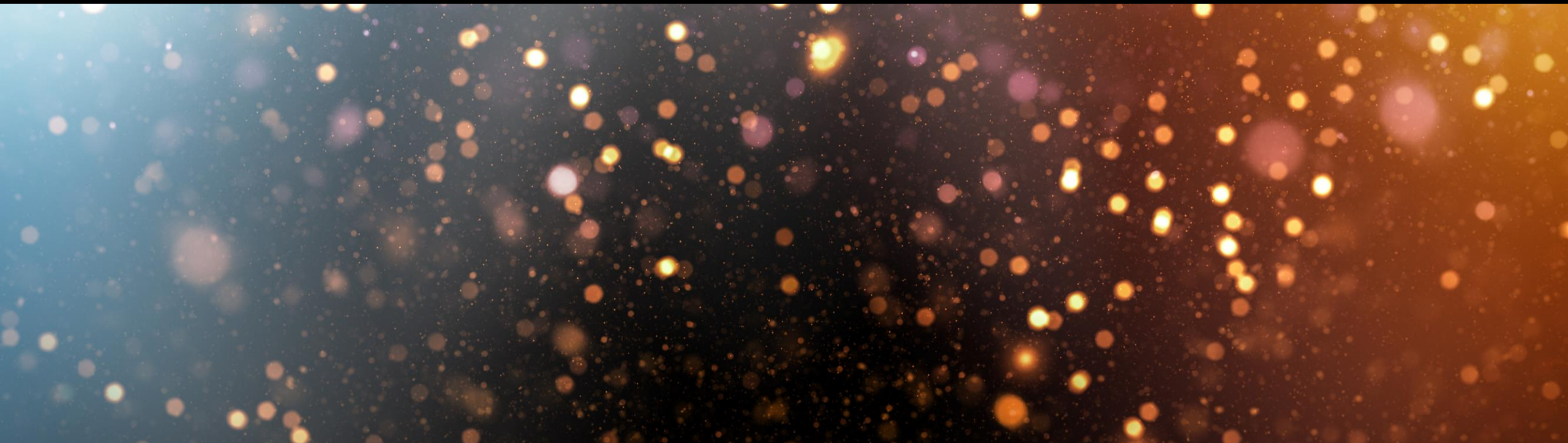
Welcome



SAP Community Call for SAP Cloud ALM Experts | Agenda for October 5, 2022

Focus topic: SAP Cloud ALM for Operations

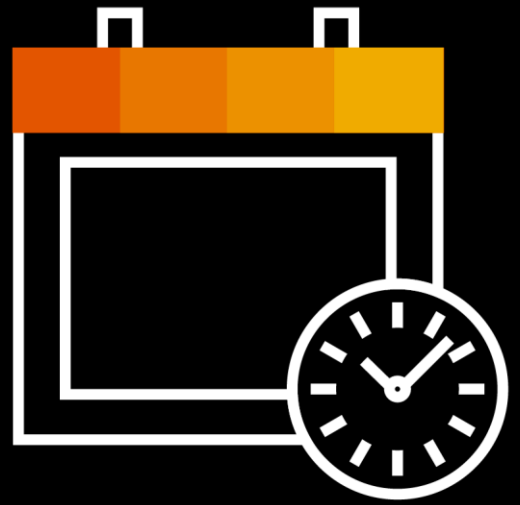
Welcome & about this call

Synthetic User Monitoring

We ask, you answer | Menti poll

Additional Information

You ask, we answer | Q&A



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Speakers

Tonja Kehrer

Christophe Garcia

Tim Steuer

Vital Anderhub

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About this Call

WHY Build up expert knowledge, share experiences, ask questions

WHEN Monthly webinar series about SAP Cloud ALM

WHAT Concepts, live demos, alternating focus on implementation and operations

WHO Beginners, Experts and anyone interested in SAP Cloud ALM

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Synthetic User Monitoring

Synthetic User Monitoring

Scope

SAP Cloud ALM Synthetic User Monitoring

is a **24/7 Monitoring solution** to

detect Performance and Availability issues

of **Web Applications** from a

Client-side perspective

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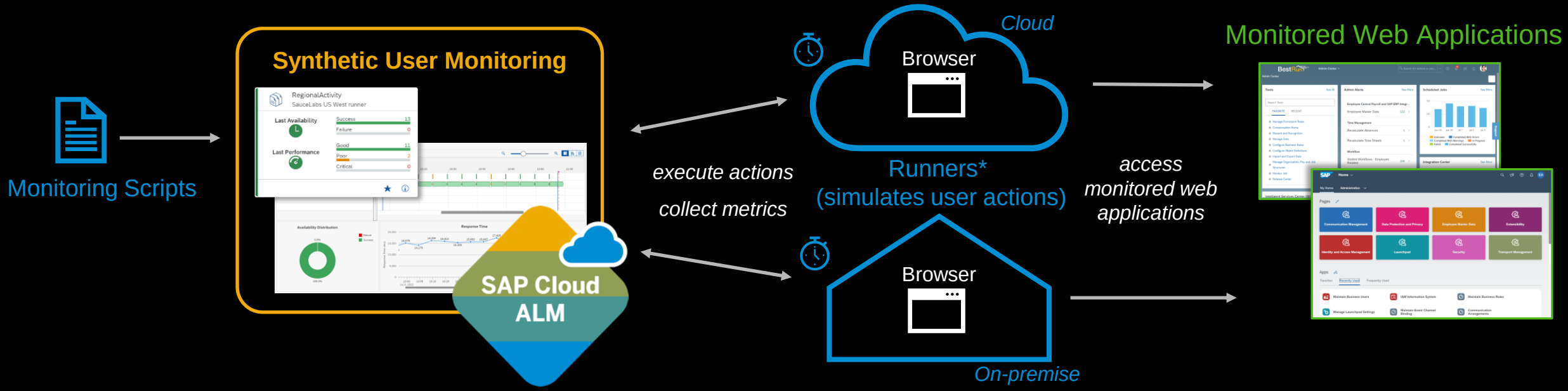
Synthetic User Monitoring

Monitor Performance and Availability of web applications from user perspective



- Monitoring based on custom Selenium IDE scripts → supports most of the web applications.
- Regularly executed on Selenium remote WebDriver infrastructures (W3C standard).
- Proactive detection: 24/7 monitoring enables you detect performance and availability issues early, potentially before the end-users face them.
- Comparable metrics: monitoring relies on the same scenarios being re-executed.
  This allows you to monitor the evolution of the performance and availability.

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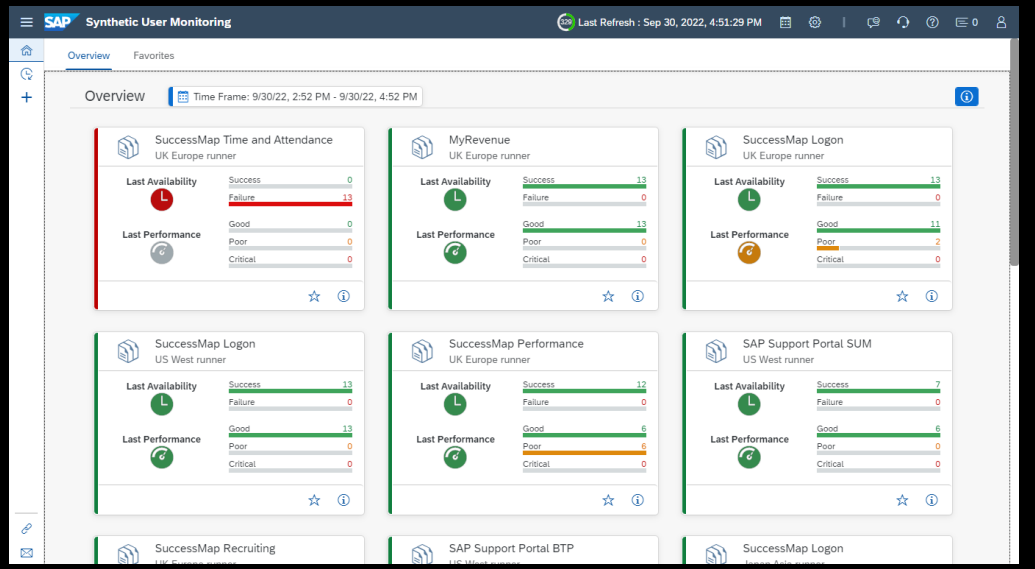
* Any compatible Selenium remote WebDriver infrastructures (W3C standard)

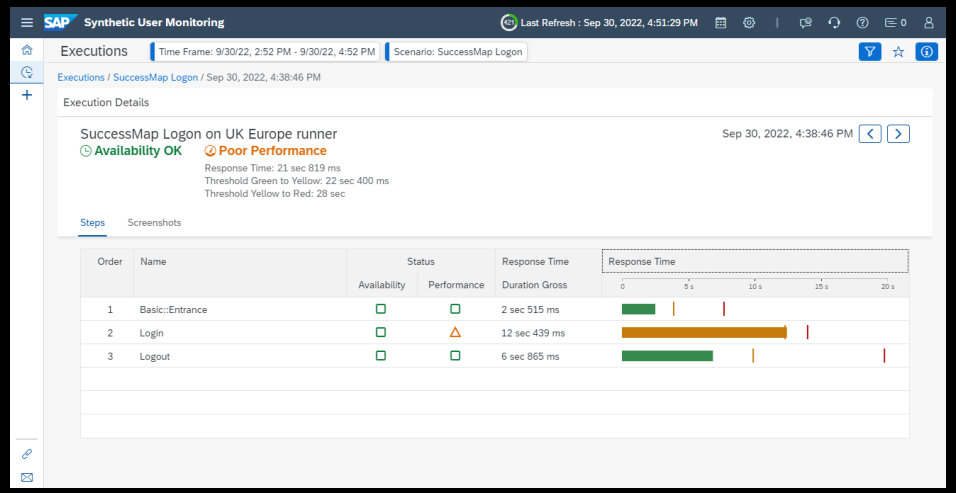
Synthetic User Monitoring

How does it look like?

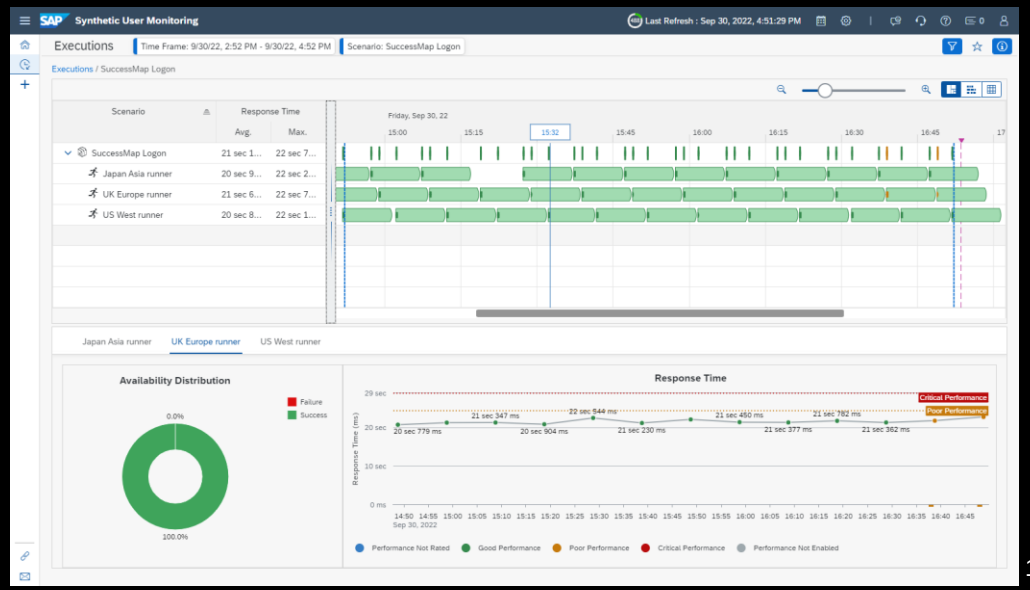
Overview



Scenario executions



Execution details



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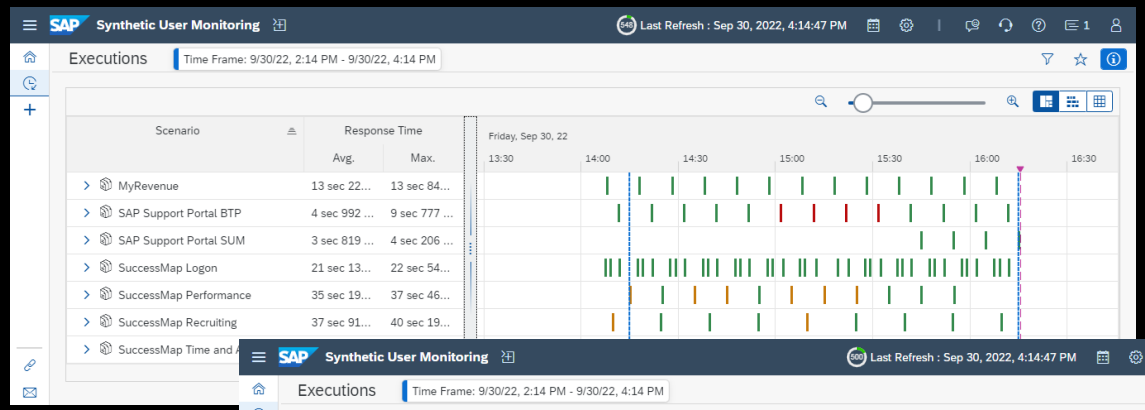
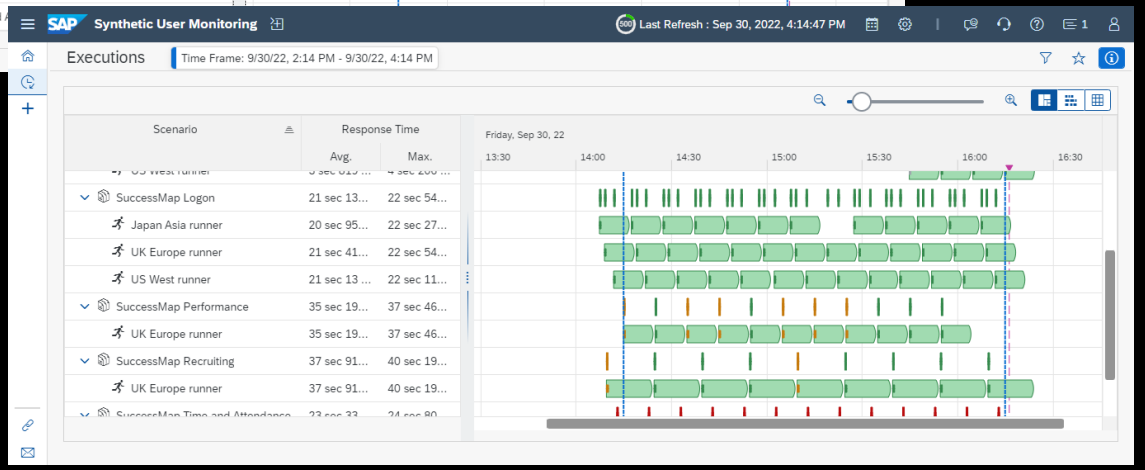
Synthetic User Monitoring

How does it look like?

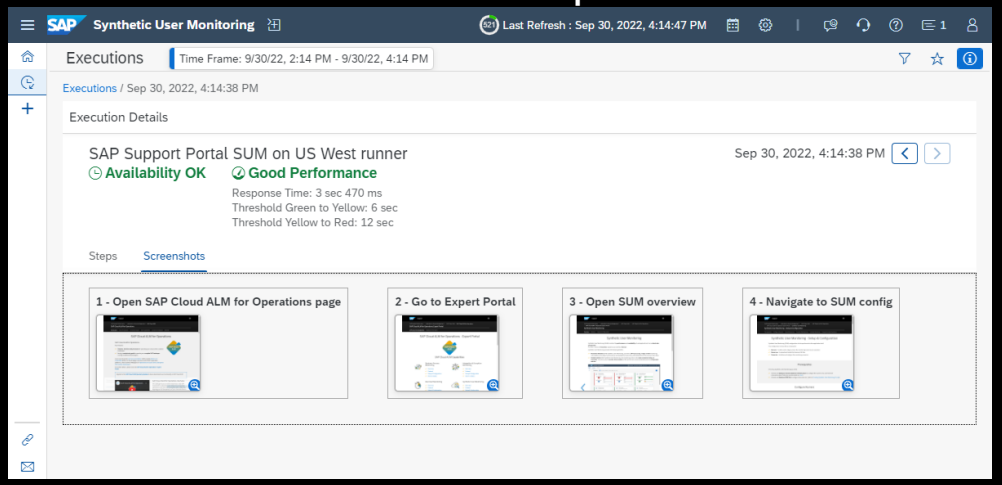
All executions



All executions expanded



Captured screenshots



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Synthetic User Monitoring

Tell me more about Scenarios and Selenium

Selenium IDE scripts

- A Selenium IDE (SIDE) script describes a series of actions (commands) to perform on the browser.
- Selenium IDE is an open source tool installed as a plugin in a browser.
  It offers recording and replay functions, as well as an editor to create Selenium IDE (SIDE) scripts.
- You can annotate Selenium IDE (SIDE) scripts to enhance the behavior of you scenario and introduce Synthetic User Monitoring functionalities like define steps, variables, set secure content, and so on.

Resources

- Selenium IDE scripts are represented as Resources when uploaded in Synthetic User Monitoring. One resource may contain several scripts.
- Synthetic User Monitoring will interpret those Selenium IDE scripts and users can create Scenarios out of it.

Scenarios

- A Scenario is a combination of a Resource script (content) and Runners (runtime infrastructures).
- We measure availability and performance of a scenario (global or at step level).
- Performance Thresholds are defined either at Scenario or Step levels.
- Thresholds can automatically be set on first execution.

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Synthetic User Monitoring
Tell me more about Runners

Runners

- A Runner can be any infrastructure/component compatible with Selenium WebDriver (W3C standard).
- A Runner is accessible through an HTTPS URL.
- SAP Cloud ALM does not provide this service.

Examples of deployment

- On premise
  - Standalone Selenium (free)
  - Selenium Grid (free, scalable)
- Cloud
  - Customer owned Selenium standalone or grid hosted in a Cloud environment
  - Consume Selenium services offered by 3rd party providers

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Synthetic User Monitoring

What runner deployment shall I use?

The choice depends on multiple factors like your monitored landscape, infrastructure or subscriptions you may already have in your company environment.

Here are examples of possible options:

	Usually owned, installed and operated by Customer		**Owned, installed and operated by 3rd party provider**
Monitored Application \ Runner	Local / on premise e.g. Selenium Docker or Grid	In a Cloud Service Provider e.g. Selenium Docker	3rd party Selenium Service Provider
On premise application (private)	? only valid option	?	?
On premise application visible from internet	?	?	?
Cloud Application	?	?	?

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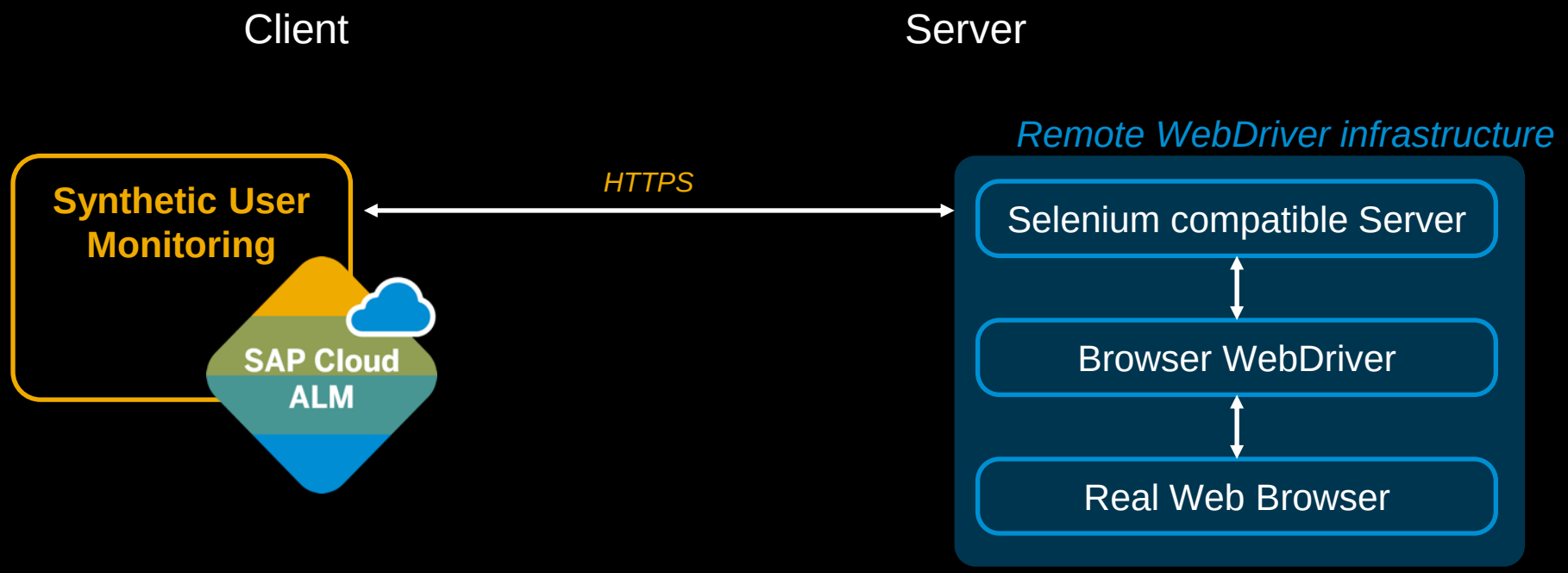
Synthetic User Monitoring

More about remote WebDriver infrastructure



The server listens to the browser actions sent by the client and transfers them to the Web Browser through the Browser WebDriver

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Synthetic User Monitoring
Choose a remote WebDriver infrastructure

- Via a 3rd party service provider
  - This includes the hosting of the infrastructure.
  - Generally provides:
    - Support for different browsers (Chrome, Edge, …),
    - Parallel executions,
    - Multiple locations, …

- By deploying an "all-in-one" packages (e.g. a docker image)
  - You are in charge of the hosting (i.e. you decide where to deploy the package: cloud, on-premise).
  - Some packages also support multiple browsers and parallel executions.

- Deployed from custom-assembled elements: Selenium compatible Server, Web Browser, WebDriver
  - You are in charge of the hosting
  - Web Browsers and WebDrivers are executables provided by the browser vendors.
  - Ready to use server exists (Selenium standalone server)
  - Servers also provide support for parallel executions (a.k.a. Grid)

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Synthetic User Monitoring

Demo

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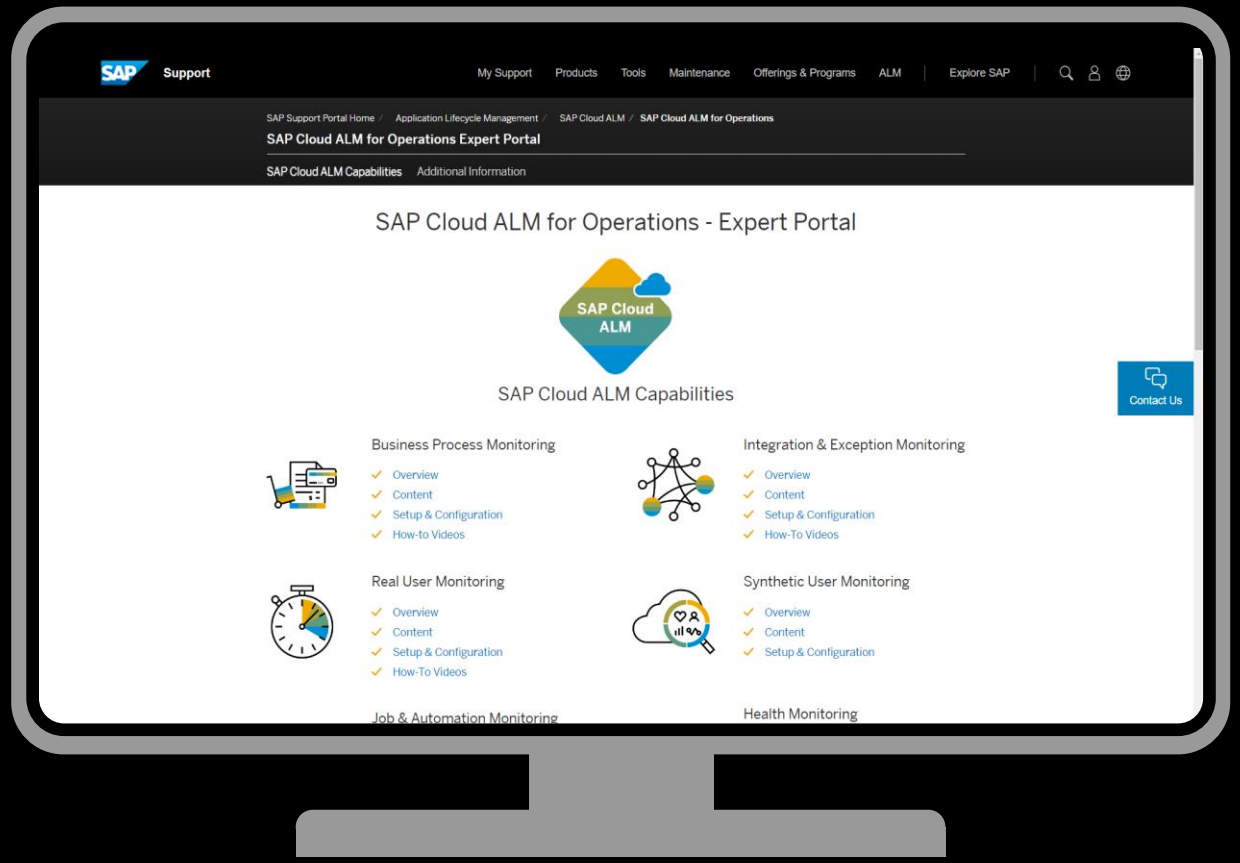
Synthetic User Monitoring
Additional information

- SAP Cloud ALM for Operations – Expert Portal
  (https://support.sap.com/en/alm/sap-cloud-alm/operations/expert-portal.html)



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Poll

We ask, you answer!

Go to www.menti.com

Enter code **5954 9083**

or use the QR code

https://www.menti.com/alm9kefgds7z

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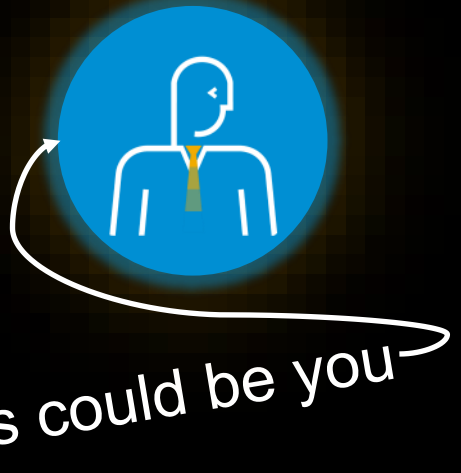
Additional Information

Be a part of SAP Community Call for SAP Cloud ALM Experts

Tonja Kehrer

Megha Nagar



Michael Buse

Tim Steuer

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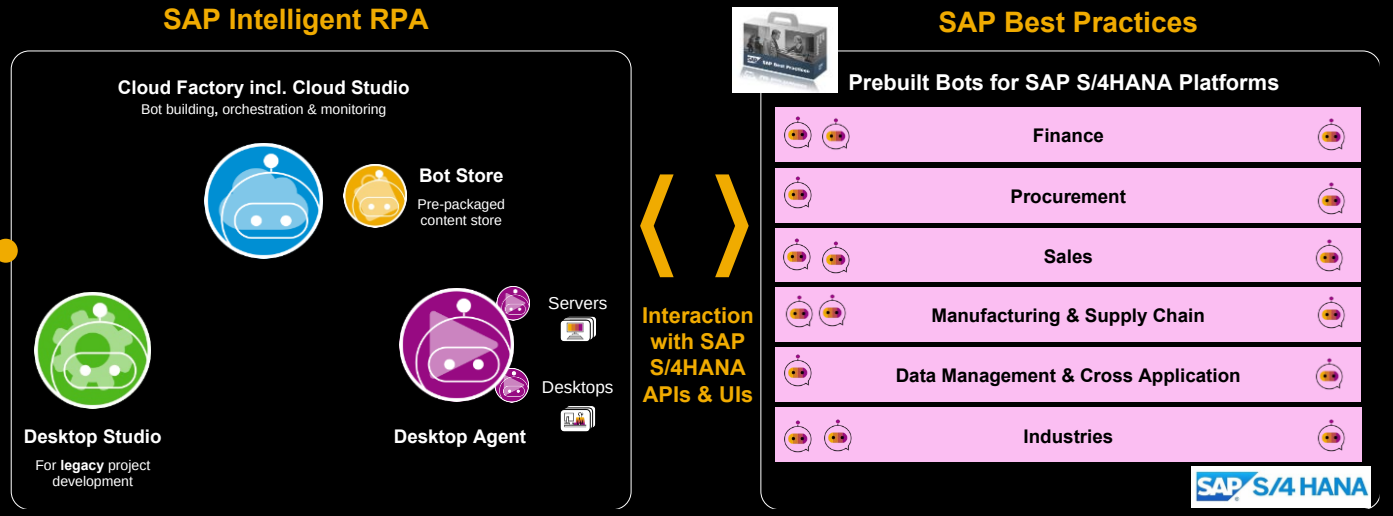
SAP Standard Content
Overview & News

- Pick from following Solution Scenarios
  - SAP Intelligent Suite
  - SAP Best Practices for SAP S/4HANA Cloud
  - SAP Best Practices for SAP S/4HANA On Premise*
  - SAP SuccessFactors
  - SAP Marketing Cloud
  - SAP ARIBA*
  - SAP Public Sector*
  - SAP Integrated Business Planning*
  - NEW **SAP Intelligent Robotic Process Automation (iRPA)**

- Actions in SAP Cloud ALM
  - Determine Solution Scenario Version
  - Trigger Content Upgrades*
  - Navigate to Additional Assets such as What's new, Websites, Blogs or complementary Excel sheets
  - Make use of accelerators of the package, its scope items, and configuration building blocks

What iRPA Does

- Automate processes and steps by mimicking the activity of a human operator or end user
- Utilize existing UI to obtain, process, and enter data and information (e.g. click to open a file on GUI, use a terminal emulator, etc.)
- Process simple tasks based on business rules which are defined by users in advance
- Automate high volume/repetitive tasks to allow humans to focus on more complex and/or value-added operations



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** Planned for future releases*

This is the current state of future vision and may be changed by SAP at any time.

SAP ALM Summit EMEA

Shape Your Future ALM Strategy!

October 18 to 21, 2022
Manufaktur Mannheim, Germany

Benefit from 4 packed days with 50+ sessions.

Learn from our ALM customers.

Leverage our partners' experience.

Discuss with ALM experts.

Make use of countless networking possibilities..

TICKET PRICE
1.650 € + 19% VAT

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SAP ALM Summit 2022 | NA

Shape your future ALM strategy

Registration is Open!

Join Us in Building a Well-Oiled ALM Strategy

Register

November 2 - 4, 2022

SAP US Headquarters
Newtown Square, PA

Upcoming Events: Save the date!

SAP ALM Summits 2022:

- October 18 - 21: EMEA (in-person) (register)
- November 2-4: NA (in-person) (register)

SAP Cloud ALM What's New Quarterly Update:

- October 27 & 28 (register)

Find all ALM Events here:
https://support.sap.com/alm-events

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Join us on SAP Community!

Follow the tag **SAP Cloud ALM** on SAP Community

Engage with the best and brightest of the software industry

Learn from blog posts and questions and answers

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We will be back!

The next SAP Community Call for SAP Cloud ALM Experts will take place on

November 2nd, 4pm CET | 10am EST

The focus topic of this call will be: **Implementation**

All registered participants will receive an e-mail invite for this call.

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Q&A

Thank you.

Contact information:

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