



Webinar Series 2019

SAP's Use of AI in Incident Management Processes

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PUBLIC

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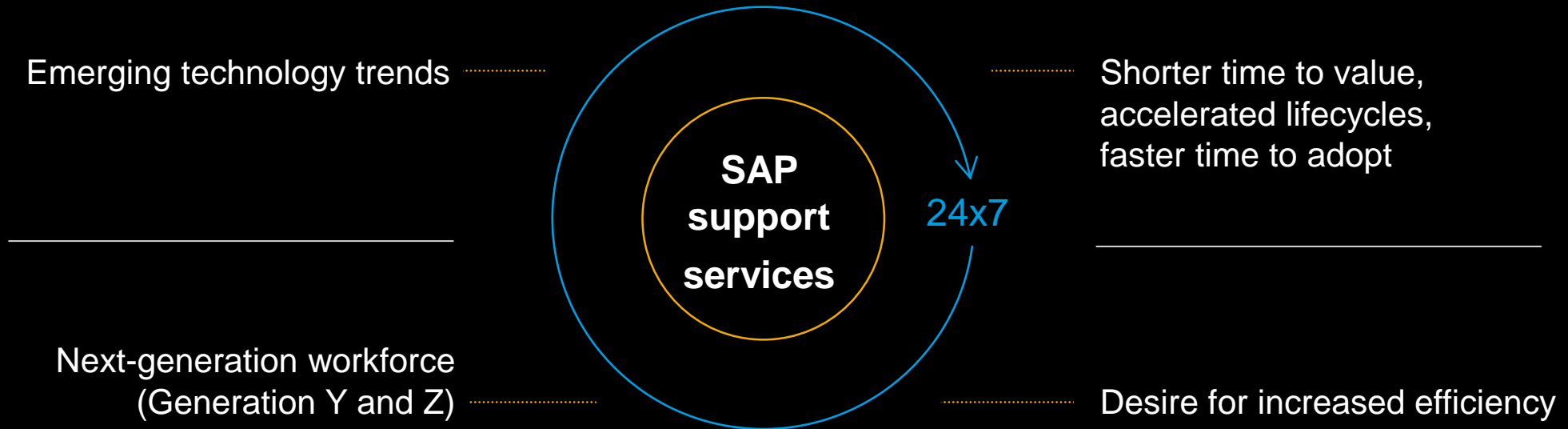
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The world is changing. Digital technologies are everywhere

Drivers and implications for SAP support services



Internet of Things



Social



Big Data



Cloud



Machine learning



Hyper-connectivity



Mobile



In-memory computing

Our vision of the digital support experience



You should never have to ask a question.

Our collective focus with product development is to achieve high-quality, intuitive products that **anticipate** your needs.



If you have questions, it's quick and easy to get answers.

Access to SAP's comprehensive knowledge base notably **accelerates** your path to accurate answers when you need them.



Our support experts will provide you with solutions quickly.

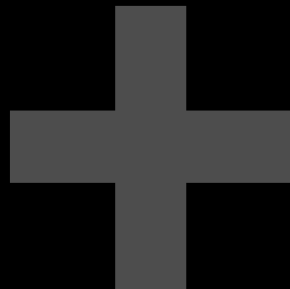
Our highly skilled engineers **collaborate** with you to help ensure you are successful – providing fast, easy access to the answers you need.

Live Business needs live support

Next-Generation Support for the intelligent enterprise

Traditional SAP support

Industry-leading proactive and preventive support across all deployment scenarios



Next-Generation Support

Groundbreaking support for the intelligent enterprise



Self-service and incident prevention

to avoid incidents



Real-time interaction

to speed your time to issue resolution



Digital support experience

to seamlessly integrate with built-in support



Artificial intelligence and machine learning

to accelerate paths to relevant answers

First results

Next-Generation Support for the intelligent enterprise

AI / Machine Learning



AI / Machine Learning.

SAP constantly innovates to improve our products and provide you with a world-class support experience.

- Thought leadership
- AI / Machine Learning
- Incident Solution Matching

Artificial intelligence and machine learning

Incident Solution Matching



Incident Solution Matching automatically proposes solutions based on *incident data* (e.g. *incident description*) in the incident creation form and the view or edit form of open incidents in SAP ONE Support Launchpad.

Overview

- A new machine learning service based on Artificial Intelligence (AI) technology
- Automatically recommends solutions from SAP Notes and SAP Knowledge Base Articles when you create a new incident or view/edit an open incident
- Potential matches are ranked according to their semantic relevance based on incident data
- Accelerates the process of finding relevant solutions by learning from past incidents

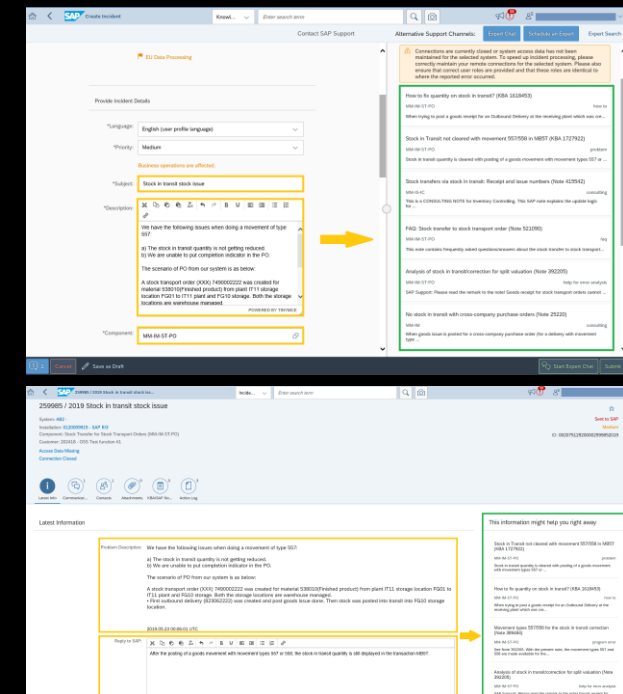
Benefits

- Faster resolution time by receiving proposed solutions for your issue
- Find relevant SAP Notes and SAP Knowledge Base Articles in one quick step without manual searching effort
- The more you use *Incident Solution Matching*, the more relevant the recommendations become

Access

- Simply access the SAP ONE Support Launchpad
- Go to the incident creation form
- Describe your issue as concisely as possible
- Automatically receive suggested solutions ranked in order of relevance in the right pane
- Select a component to further refine the results
- Access your incidents inbox and open an existing incident to view or edit
- Automatically receive suggested solutions ranked in order of relevance in the right pane of the open incident

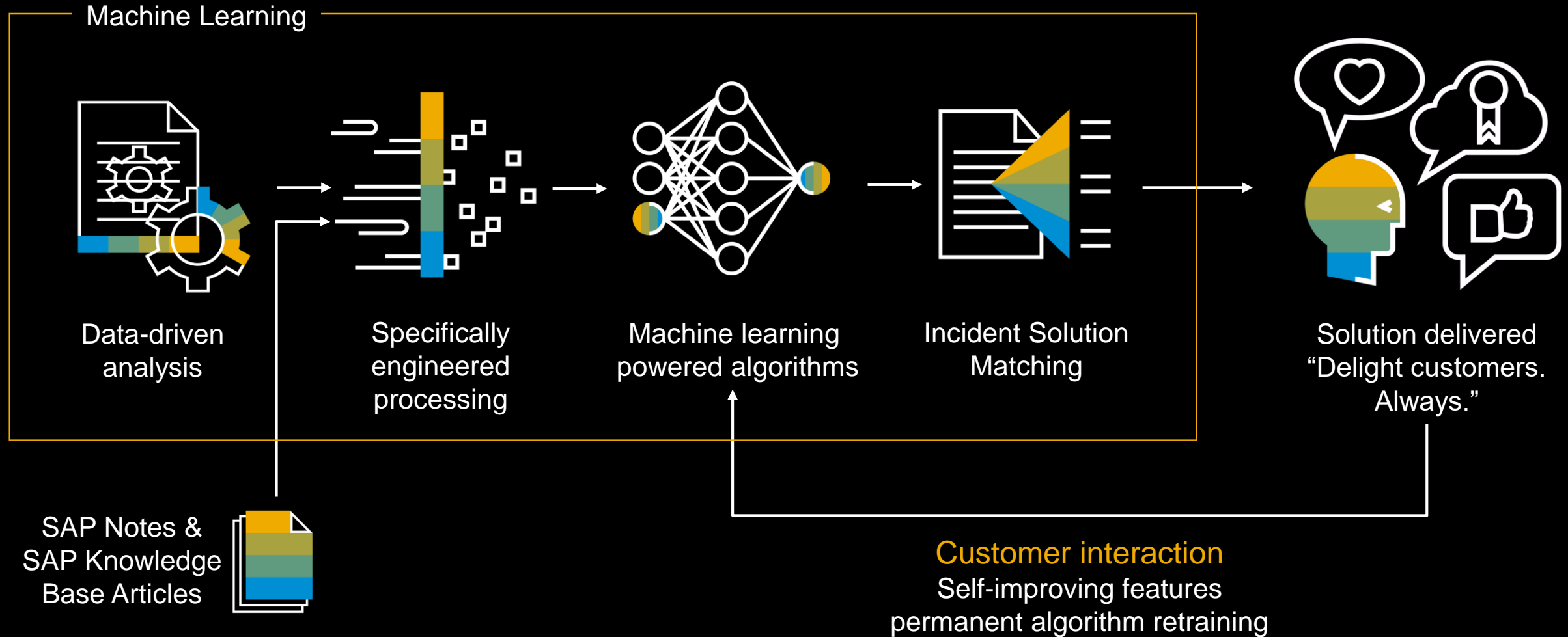
Preview



How it works

Incident Solution Matching

Machine learning service for Product Support



Incident classification under the hood

Solutions are identified using **tf-idf** (term frequency–inverse document frequency) and then ranked/filtered using various **signals** allowing for further optimizations and specific tasks.

“Our HANA instance ran into a HANA OOM problem.”

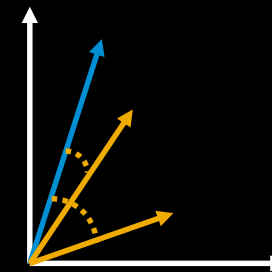


{“Our”, “HANA”, “instance”, “ran”, “into”, “a”, “HANA”, “OOM”, “problem”}

{“Our”, “HANA”, “instance”, “run”, “in”, “a”, “HANA”, “OOM”, “problem”}

Term	#	Doc #
HANA	2	20
Instance	1	50
Run	1	100
OOM	1	60
problem	1	150

Term	Tf-idf
HANA	0.1
Instance	0.02
Run	0.01
OOM	0.017
problem	0.007

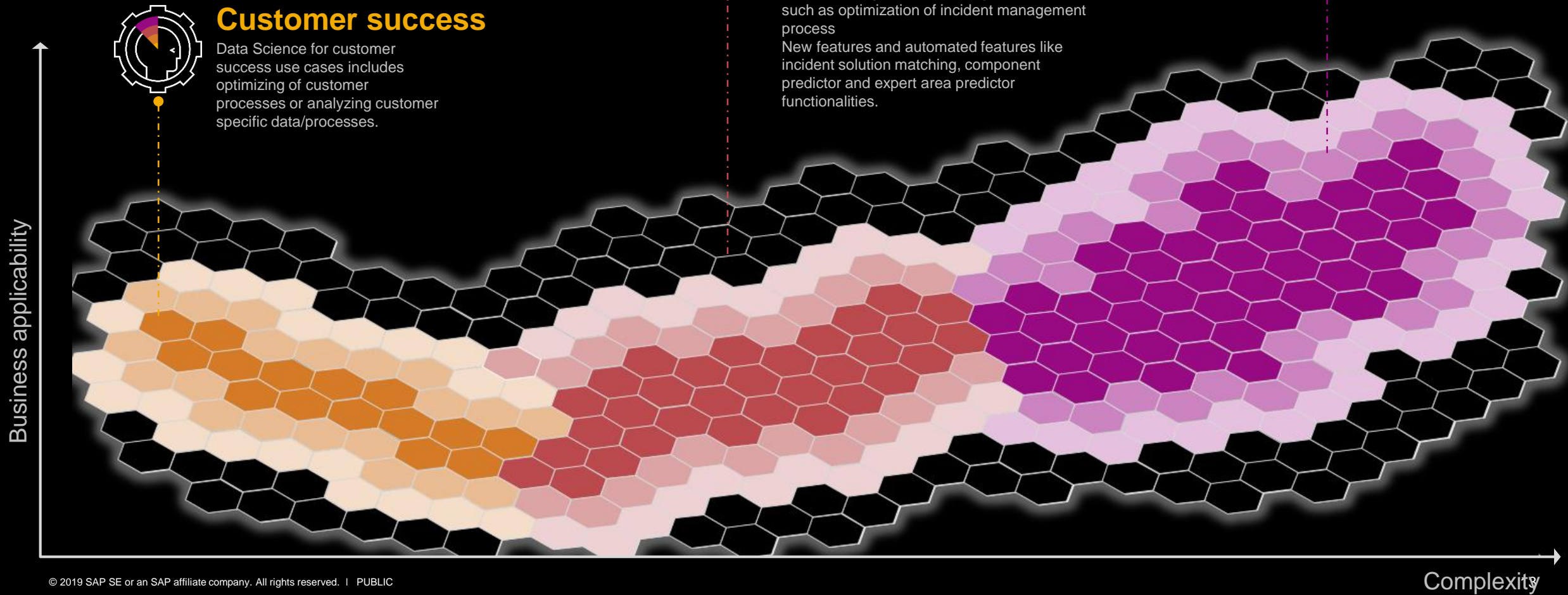


Sorted
= {HANA, Instance, ...}

Outlook

Artificial intelligence and machine learning

Thought leadership roadmap



Thank you

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More information on SAP Support and the Next-Generation Support approach



Next-Generation Support

[SAP Support Portal](#) | Next-Generation Support landing page ([SAP Support Portal](#))

Press release and analyst guidance

Article: SAP Personalizes Support and Services for the Intelligent Enterprise ([SAP News Center](#))

Press Release: Next-Generation Support from SAP Leverages Machine Learning and AI to Improve Customer Experience ([SAP News Center](#))

Article: Your Customer Support Experience Is Your Brand ([SAP News Center](#))

Article: The Ingredients of an Award-Winning Support Experience ([SAP News Center](#))

Article: Live Business Needs Live Support: SAP Support is Award Winning, ([SAP News Center](#))

Article: Award-winning SAP Support Portal and Next-Generation Support services, Interview with Andreas Heckmann, Head of Support Delivery ([SAP News Center](#))

Press Release: SAP Brings Built-In Support to SAP S/4HANA Cloud ([SAP News Center](#))

Press Release: Next-Generation Support Expansion ([SAP News Center](#))

Blogs

Article: Bringing B2C Principles to B2B Services and Support ([SAP News Center](#))

Article: The Future of Support Services – Get Ready for an Automation Storm ([SAPInsider](#))

Article: How does SAP support work for hybrid platforms in the digital age? ([SAP Community](#))

Blog: Bringing Choice Beyond the Commute Through SAP's Omni-Channel Support ([LinkedIn](#))

Blog: Roadside Assistance for Your Digital Transformation ([LinkedIn](#))

Blog: Vision and Strategy ([LinkedIn](#))

Blog: The Future of Support ([Digitalist](#))

Blog: Next-Generation Support ([SAP News Center](#))

Blog: Next-Generation Support ([LinkedIn](#))

Blog: When support tickets can talk ([LinkedIn](#))

Blog: What intelligent enterprises can expect from SAP Support in 2018 ([SAP News Center](#))

Blog: Start your Engines! Next-Generation Support for your Intelligent Enterprise Journey ([LinkedIn](#))

Podcast: SAP Customer Support Podcast ([SAP Community](#)) | Building support into the product ([iTunes](#))

Video resources

Videos from SAPPHERE NOW 2019

[SAPPHERE NOW 2019 update from Andreas Heckmann](#): Learn about SAP's new approach to customer success

[Head of Product Support Mohammed Ajouz](#): Enable Business Outcomes and Run Smoothly with Support from SAP

[Interview - SAP Mentor Ethan Jewett and Andreas Heckmann](#): Ongoing End-to-End Customer Success Services from SAP

[Interview - SAP Mentor Chris Kernaghan and Mohammed Ajouz](#): The Next Generation of Support

Videos from SAPPHERE NOW 2018

[Keynote Andreas Heckmann](#) with customer STARA

[Interview Stara](#): Maximizing Value with Support from SAP Digital Business Services

[Head of Product Support Mohammed Ajouz](#): Embrace Next-Generation Support for the Digital Enterprise

Video from SAP TechEd Bangalore 2018: [Interview with SAP Mentor Krishna Kishor Kammaje: Next-Generation Support](#) – From Traditional Incident Handling to AI-Driven Support

Video DSAG Annual Conference 2018 keynote – [Next-Generation Support](#) at 46:45 (German)

More information on SAP Support and the Next-Generation Support approach

Webinars

Replay: [Next-Generation Support: Overview Session](#)



Incident Prevention and Self-Service

Blog: Getting Support Your Way: Self-Service ([LinkedIn](#))

Blog: Self-Service Machine Translation for SAP Notes and Knowledge Base Articles in the SAP ONE Support Launchpad ([SAP Community](#))

Video: [Guided Answers](#)

Video: [Cloud Availability Center for SAP SuccessFactors Solutions](#)

Video: [SAP Cloud Trust Center](#)

Video: SAP TechEd 2017 interview on [self-service and community](#)



SAP ONE Support Launchpad

Blog: Tips and Tricks for SAP ONE Support Launchpad ([SAP Community](#))

Blog: How to manage your launchpad notifications settings ([SAP Community](#))

Video: [SAP ONE Support Launchpad](#)

Video: [SMS Notifications for SAP ONE Support Launchpad](#)

Webinar: [SAP ONE Support Launchpad – Overview and How to Get Started](#)



Social media

SAP Support Help on [Twitter](#)

SAP Cloud Support on [Twitter](#)

WhatsApp landing page ([SAP Support Portal](#))



Schedule an Expert

Schedule an Expert landing page ([SAP Support Portal](#))

Announcement: SAP Adds 35+ New Product Areas for Schedule an Expert ([Support News](#))

Blog: How to “Schedule an Expert” in a live session for your SAP solution ([SAP Community](#))

Blog: How to access SAP’s live support channels ([SAP Community](#))

Video: [Schedule an Expert](#)

Video: [Schedule an Expert for open incidents](#)

Video: SAP TechEd 2018 Barcelona, SAP Mentor interview: [Bernhard Luecke with David Ruiz Badia on Schedule an Expert](#)

Webinar: [Overview Product Support Real-Time Channels](#)

Webinar: [Benefit from Real-Time Conversation with an SAP Expert](#)



Expert Chat

Expert Chat landing page ([SAP Support Portal](#))

Blog: Expert Chat ([LinkedIn](#))

Blog: Live Expert Chat Services ([LinkedIn](#); [Digitalist](#))

Blog: Real-Time Support ([LinkedIn](#))

Video: [Expert Chat](#)

Video: [SAP Mentor Karin Tillotson and Andy Cobbold on continuous improvements on the Next-Generation Support Portfolio](#) – from SAP TechEd Las Vegas 2018

Press release and analyst guidance:

Expert Chat ([press release](#))

Expert Chat in Gartner Note ([press release](#))

Webinar: [Use Expert Chat to Solve Your Technical Problems](#)

More information on SAP Support and the Next-Generation Support approach



Ask an Expert Peer

Ask an Expert Peer ([SAP Support Portal](#))

Video: [Ask an Expert Peer](#)

Article: [Crowdsourcing Customer Service: How Ask an Expert Peer is Changing Real-Time Support](#)



AI and Machine Learning

Incident Solution Matching landing page ([SAP Support Portal](#))

Video: [Incident Solution Matching](#)

Article: AI and Machine Learning Drive Automation in Product Support ([SAP News Center](#))

Article: Enter the Next Level of Customer Support Experience with AI Technology ([SAP News Center](#))

Article: Customer Convenience through Service Automation ([SAP News Center](#))

Blog: AI-Powered Support: A Guiding Light for Simplified Support ([LinkedIn](#))

Blog: SAP launches an AI enabled incident wizard in SAP ONE Support Launchpad ([SAP Community](#))

Videos from SAPHIRE NOW 2018

[The next generation of support](#) – AI and Machine Learning taking center stage

[Video with SAP Mentor Owen Pettiford](#): Driving the customer support experience with built-in support and machine learning

Webinar: [Incident Solution Matching – Enabled by Artificial Intelligence](#)



Built-in support

Built-in support landing page ([SAP Support Portal](#))

Article: The Built-In Support Effect: Redefining Care For The User Experience ([Digitalist](#))

Blog: Making support smart – built-in support using AI / machine learning ([LinkedIn](#))

Video from SAPHIRE NOW 2018: [Keynote with customer Stara](#) – with demo of built-in support

Article: The Built-In Support Effect For An Integrated, Intelligent User Experience ([Digitalist](#))

Webinar: [SAP's Built-In Support](#)

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