



SAP sobre AWS – Porqué SAP sobre AWS y Servicios Administrados

Julio / Rodolfo Valdivia / Sep 2023

ORADORES



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AWS

SAP PDM



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Architects (APN)**



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**AWS Practice Leader
for Mexico**

Agenda

1. ¿Por qué SAP sobre AWS?
2. ¿Por qué RISE en SAP sobre AWS?
3. El camino apenas comienza ¿cómo hay que andarlo?
4. Modelos de Soporte
5. Operaciones en la nube / Servicios Administrados
6. Conectividad, Seguridad y Alta Disponibilidad.
7. Extensiones
8. Ejemplos
9. Preguntas



¿Por qué SAP sobre AWS?

SAP on AWS Team - Mexico

Mexico



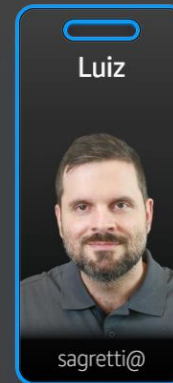
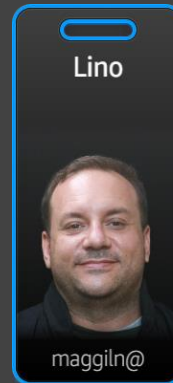
SAP Sales Specialists

SAP Solution Architects

SAP PDM

SAP Solution Architects (APN)

LATAM



SAP on AWS Head

SAP BDM / GTM

Head Solution Architects

SAP Alliances

SAP on AWS Market Position



Strategic Collaboration Agreement

GTM Addendum commits to joint AWS and SAP RISE sales commitments until 2027 → AWS and SAP have specific GTM funding available through the SCA



SAP Install Base

7000+ SAP on AWS customers globally where we can work together to secure their our customers' future SAP roadmap



AWS Install Base

AWS has ***MILLIONS*** of active customers every month already transforming in the cloud with AWS → limitless collaboration opportunities



Driving RISE Innovations

Creation of Joint Reference Architectures using SAP BTP and AWS services; launch of Partner Innovation Hub to accelerate partner solution guidance for RISE and BTP innovations using BTP and AWS services

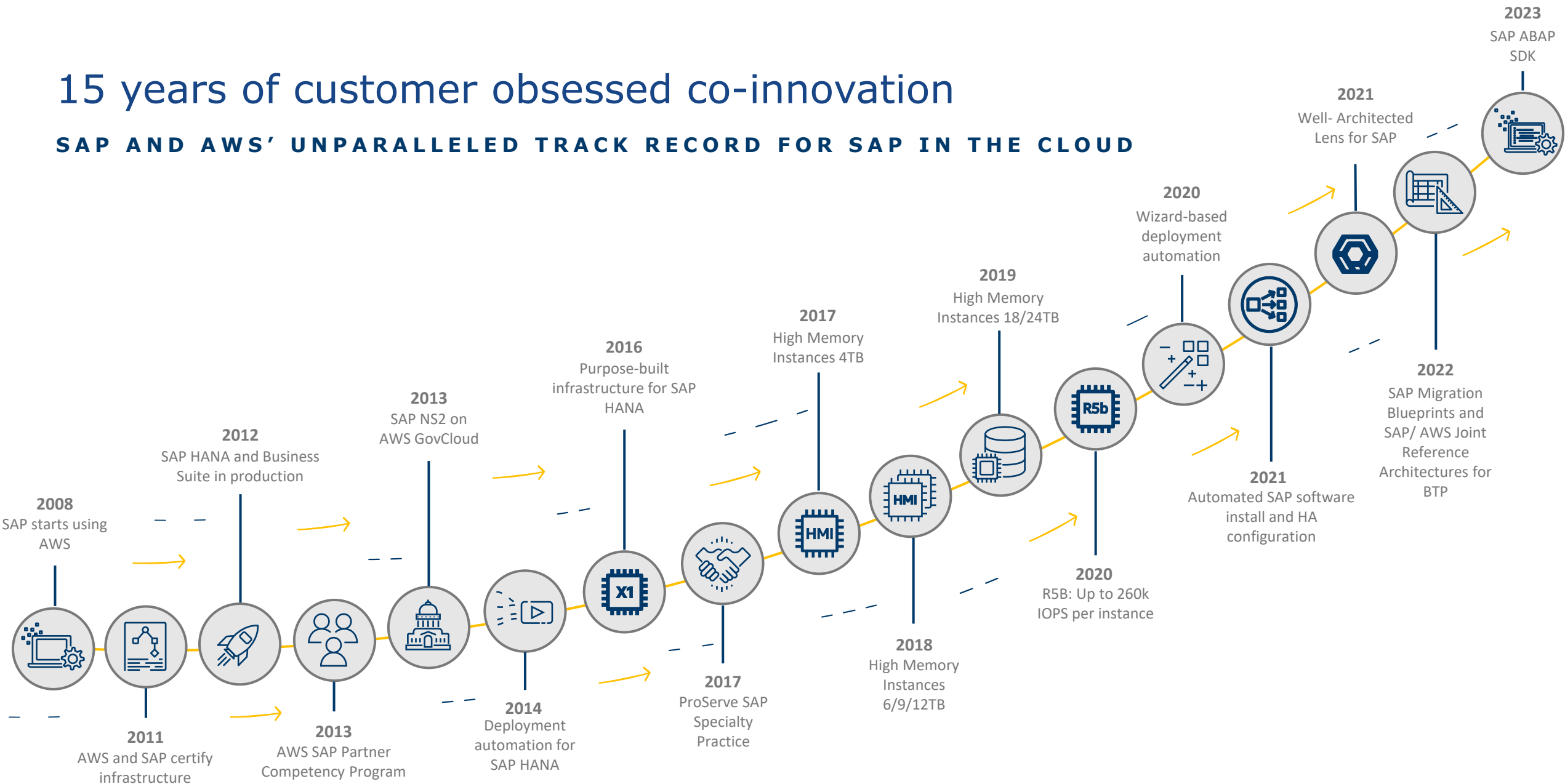


Amazon's Industry Expertise

Tap into the power of Pan Amazon and over 100+ Amazon business entities from Prime Video to Whole Foods and everything in between

15 years of customer obsessed co-innovation

SAP AND AWS' UNPARALLELED TRACK RECORD FOR SAP IN THE CLOUD



7000+ SAP customers across industries and geos trust AWS

HEALTHCARE & LIFE SCIENCES	ENERGY & NATURAL RESOURCES	RETAIL & CONSUMER GOODS	MEDIA & ENTERTAINMENT	PUBLIC SECTOR & DEFENSE
AUTOMOTIVE & TRANSPORTATION	MANUFACTURING & INDUSTRIAL	AGRICULTURE, CPG, & FOOD/BEV	PROFESSIONAL/ FINANCIAL SERVICES	TECHNOLOGY



Clientes en Mexico: SAP RISE en AWS



Leverage our Deep Industry Expertise

HEALTHCARE & LIFE SCIENCES



amazon pharmacy

HOUSEHOLD



amazon home services

GROCERY + RETAIL



amazon fresh
amazon go

MEDIA & ENTERTAINMENT



amazon music

WONDERY goodreads



prime video

amazon studios

BRANDS



amazon basics

GOODTHREADS

shopbop

DEVICES + SERVICES

amazon kindle

alexa fire tv

eero ZOOX

pay ring

LOGISTICS

amazon freight

amazon business

amazon robotics

amazon FLEX

eCOMMERCE

prime

amazon appstore

amazon kindle

amazon marketplace

Zappos.com AbeBooks.com

TECHNOLOGY

aws

amazon | project kuiper

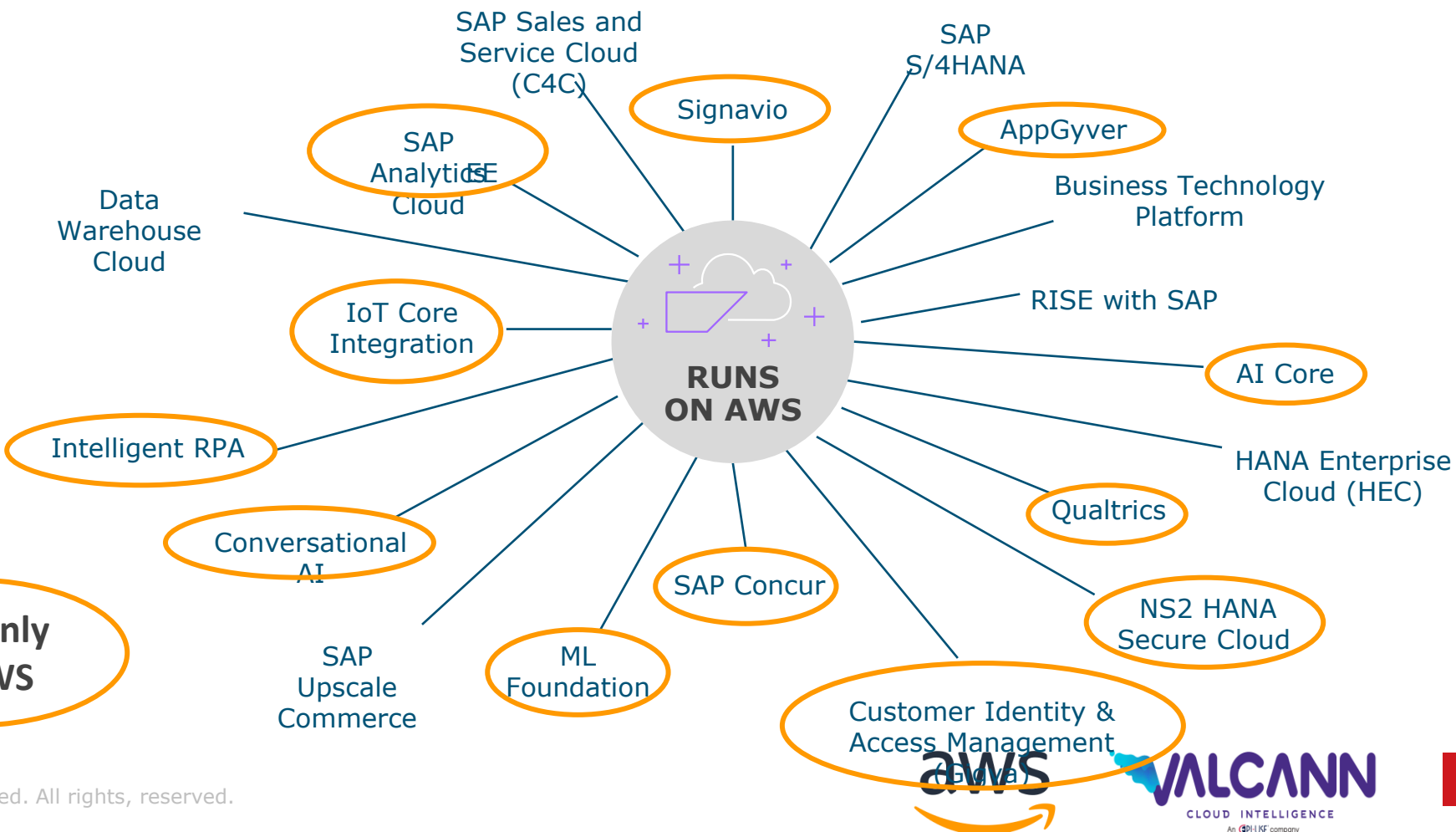
amazon Lab126

annapurnalabs
an amazon company

AWS is SAP's cloud innovation platform of choice for key solutions - all in with RISE

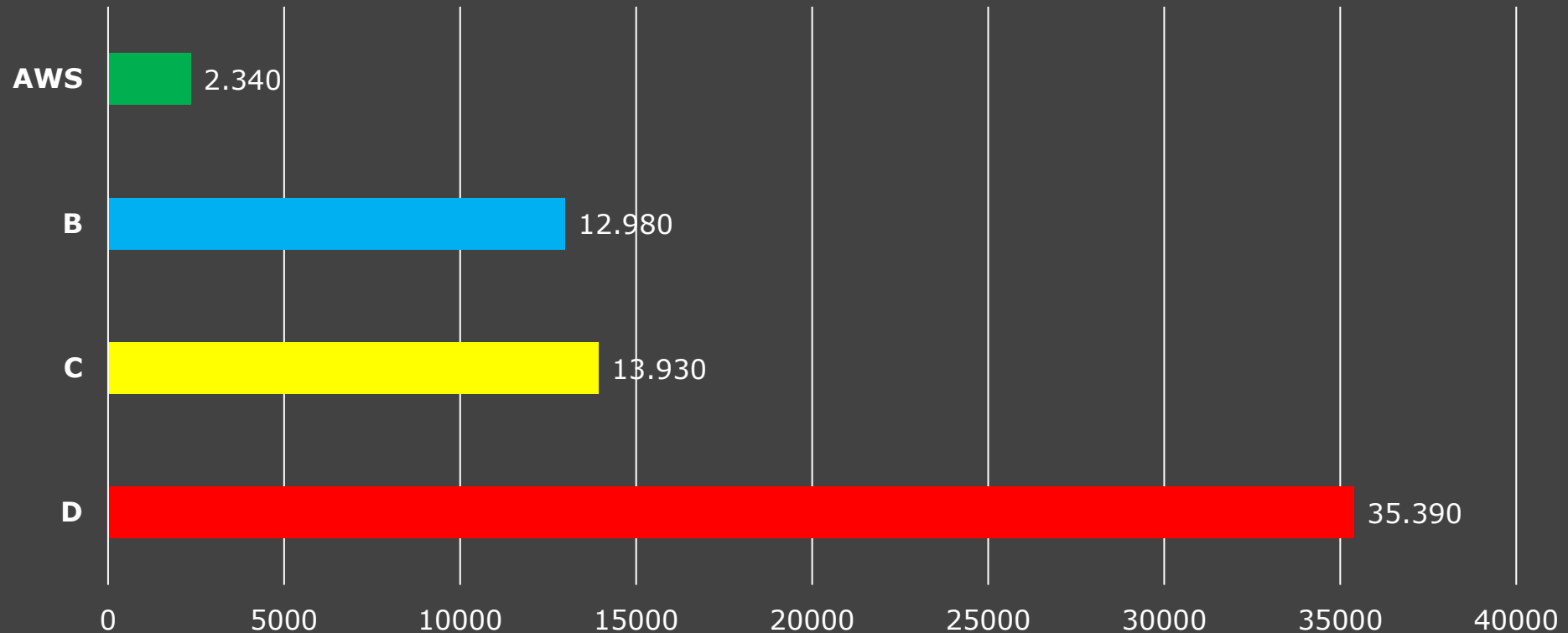
SAP has been using AWS since 2008 and runs many of its customer facing offerings only on AWS today

Runs only on AWS



AWS is the leader in cloud security

Downtime detalhado por Cloud Provider (em horas)



Fonte: Vendors' health dashboard. Timeframe (January 01 2018 – Mar 31 2022, publicado pelos principais Cloud Service Providers (CSPs)).

AWS leads HANA Infrastructure Services

ISG recognizes AWS as a leader for the fifth consecutive year

"AWS is leading the U.S. infrastructure services market and delivers benefits including faster time to value, scalability of resources, reduced cost and higher availability for hosting SAP HANA."

"With SAP RISE, many clients *think all clouds are equal*. **However, the reality is slightly different.**"



Gartner recognizes **AWS as a Leader** for the 12th straight year

[Magic Quadrant for Cloud Infrastructure and Platform Services](#)

We believe this report validates AWS's leadership to innovate and set standards for cloud computing. Millions of active customers every month and more than 100,000 Partners from over 150 countries choose AWS to deliver their business goals.

Read the full [report](#) to appreciate the details.

Figure 1: Magic Quadrant for Cloud Infrastructure and Platform Services





¿Porque RISE en SAP sobre AWS?

Núcleo limpio + AWS = Innovación

SAP RISE en AWS

↑
CRECIMIENTO DE INGRESOS

SOBRECARGA OPERACIONAL
↓

Empoderar equipos de ventas

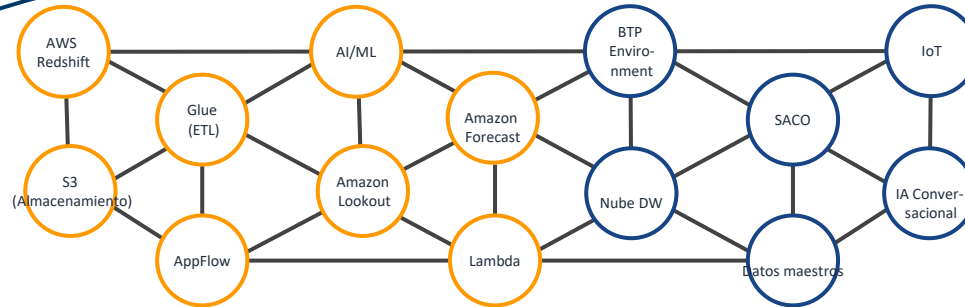
Toma de decisiones inteligente

Mejor relación con los clientes

Mayor eficiencia

Mejora continua del producto final

Disciplina basada en datos



Nativo de AWS | Plataforma de Tecnología de Negocios SAP



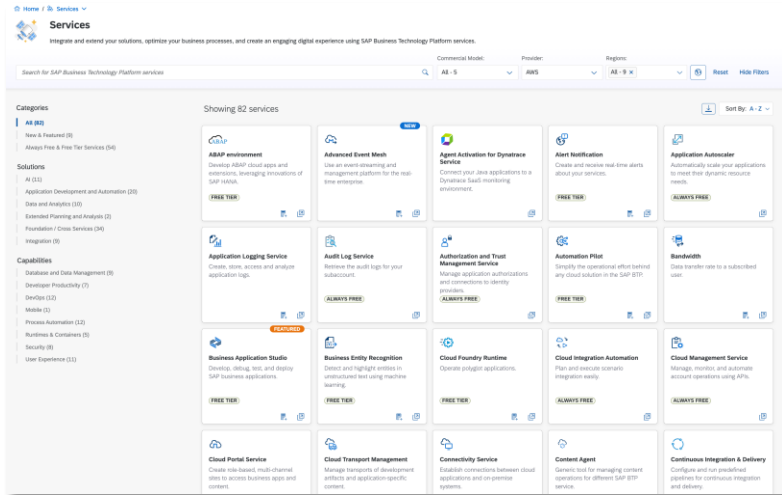
CAPA DE DIFERENCIACIÓN
Construir para cambiar

CAPA DE APLICACIÓN
Construir para consumir

CAPA DE INFRAESTRUCTURA
Construir para durar

Execute your transformation roadmap with BTP on AWS

SAP AND AWS' CO-INNOVATION PROVIDES THE LARGEST BTP ECOSYSTEM AND UNIQUE OFFERINGS



Largest ecosystem of BTP services on AWS, fastest pace of innovation

- SAP offers 94 BTP services, of which 83 can run on a hyperscaler – only AWS runs 82¹
- 88% of new BTP services are rolled out at AWS first¹
- SAP BTP and HANA Cloud runs on AWS Graviton – consuming 60% less energy with the same performance

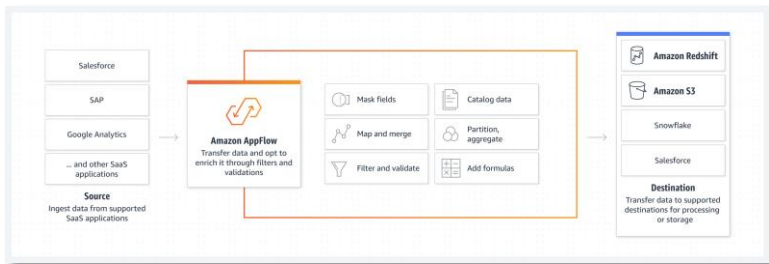
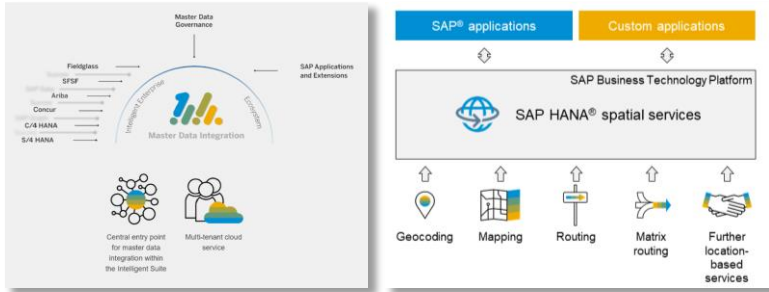
AWS exclusive BTP services to support your transformation

- SAP and AWS have co-developed 24 BTP services running only on AWS¹
 - Simplify your S/4HANA journey with ABAP and Low Code services
 - Accelerate innovation with AI/ ML for automated recommendations, processes and more
 - Simplify and accelerate enterprise integration to easily combine SAP and non-SAP data
 - Enable data driven decisions with the broadest set of analytics services

1 – [SAP Discovery Center](#) (data as of 06/02/2023)

Simplify and accelerate enterprise integration

COMBINE SAP AND NON-SAP DATA TO BUILD NEW INSIGHTS AND APPLICATIONS



SAP Integration Services

- [SAP Master Data Integration](#) – provides a consistent view of master data and allows multiple systems to edit the same data – **built only on AWS¹**
- [SAP Integration Suite, advanced event mesh](#) – design and manage an event-driven architecture – **built only on AWS¹**
- [SAP HANA Spatial Services](#) – add missing geo-spatial details you need for the insights you want – **built only on AWS¹**

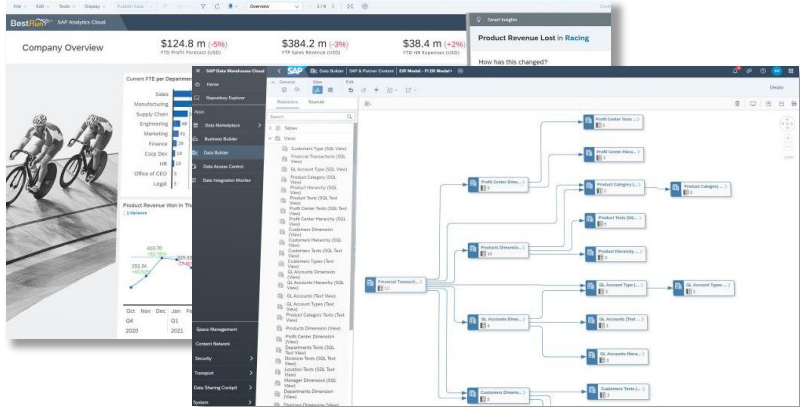
AWS Integration Services

- **Focus on innovation** – Application Integration services on AWS allow you to **integrate distributed systems and serverless applications with less code**
- [Amazon AppFlow](#) – automates the flow of data between SaaS applications (incl. SAP) and AWS services at **nearly any scale without code**

1 – [SAP Discovery Center](#) (data as of 06/02/2023)

Enable data driven decisions

GET THE BROADEST SELECTION OF ANALYTICS SERVICES FROM SAP AND AWS

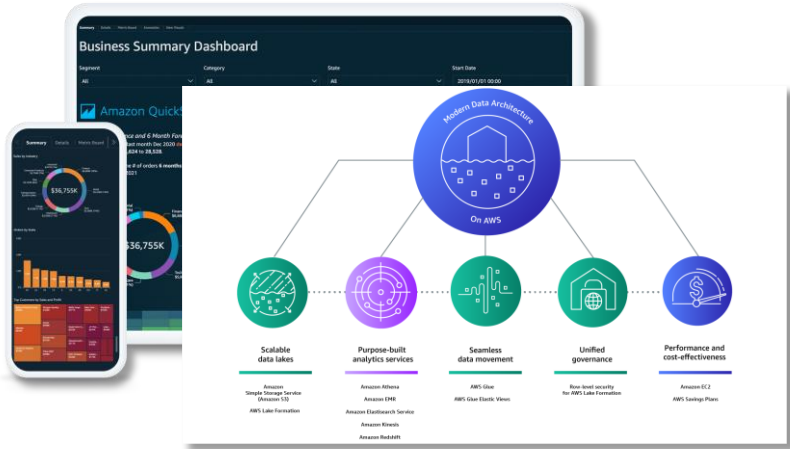


SAP Analytics Services

- [SAP Analytics Cloud](#), supported in **8 AWS Regions**¹, enables data driven decision making with **Business Intelligence, Planning, and Predictive Analytics**
- [SAP Analytics Cloud Embedded Edition](#), **built only on AWS**, build and embed reports, dashboards, and visuals into your business applications to make confident decisions
- [SAP Datawarehouse Cloud](#), supported in **8 AWS Regions**¹, multisource **business semantics service** for enterprise analytics and planning

AWS Analytics Services

- AWS provides the **broadest selection of analytics services** to helping you to easily combine SAP and non-SAP data to **reinvent your business**
- From data movement, data storage, data lakes, big data analytics, log analytics, streaming analytics, business intelligence, and machine learning and anything in between, **AWS offers purpose-built services that provide the best price-performance, scalability, and lowest cost**



1 – [SAP Discovery Center](#) (data as of 06/02/2023)

Zalando – SAP on AWS with BTP



“We have increased the value of our SAP systems by integrating SAP with AWS technologies because we can steer the business in near real-time.”

Yuriy Volosenko

Director for Enterprise Applications and Architectures,
Zalando

Protect Making

To satisfy regulatory requirements, Zalando Payments GmbH (ZPS) needed to calculate how much its accounts are holding in third-party funds at any given time. Experts from SAP worked with ZPS and the University of Seville in Spain to build a customized cash-flow model based on SAP® Business Technology Platform that would also help it uncover valuable liquidity and financial planning insights.

Within this guarantee-monitoring model, data on contract accounts receivable in SAP S/4HANA® is replicated in near-real time to the SAP BW/4HANA® solution and then made available to other reporting applications. SAP HANA® for SQL data warehousing then processes the data and calculates key figures such as customer cash-in and factoring cash-outs. Using these figures, ZPS can then calculate each day for the amounts to be guaranteed.

Further, with a live connection to SAP BW/4HANA, the SAP Analytics Cloud solution can access this calculated data to let users consume reports using intuitive dashboards and stories. This enables a larger circle of business users to gain insights into financial KPIs such as gross customer cash-ins or days from order. ZPS is now looking at leveraging these solutions to develop a predictive model that forecasts amounts to be guaranteed in the future.

“SAP Business Technology Platform provides us with **deep insights** into our factoring-related cash-flow movements. This, in turn, enables us to not only effectively steer our financial obligations and strategy but also better understand and expand our business.”

Lucía Galán Cáceres, Lead Treasury Payments, Zalando Payments GmbH

70%

Efficiency gain versus the previously implemented method

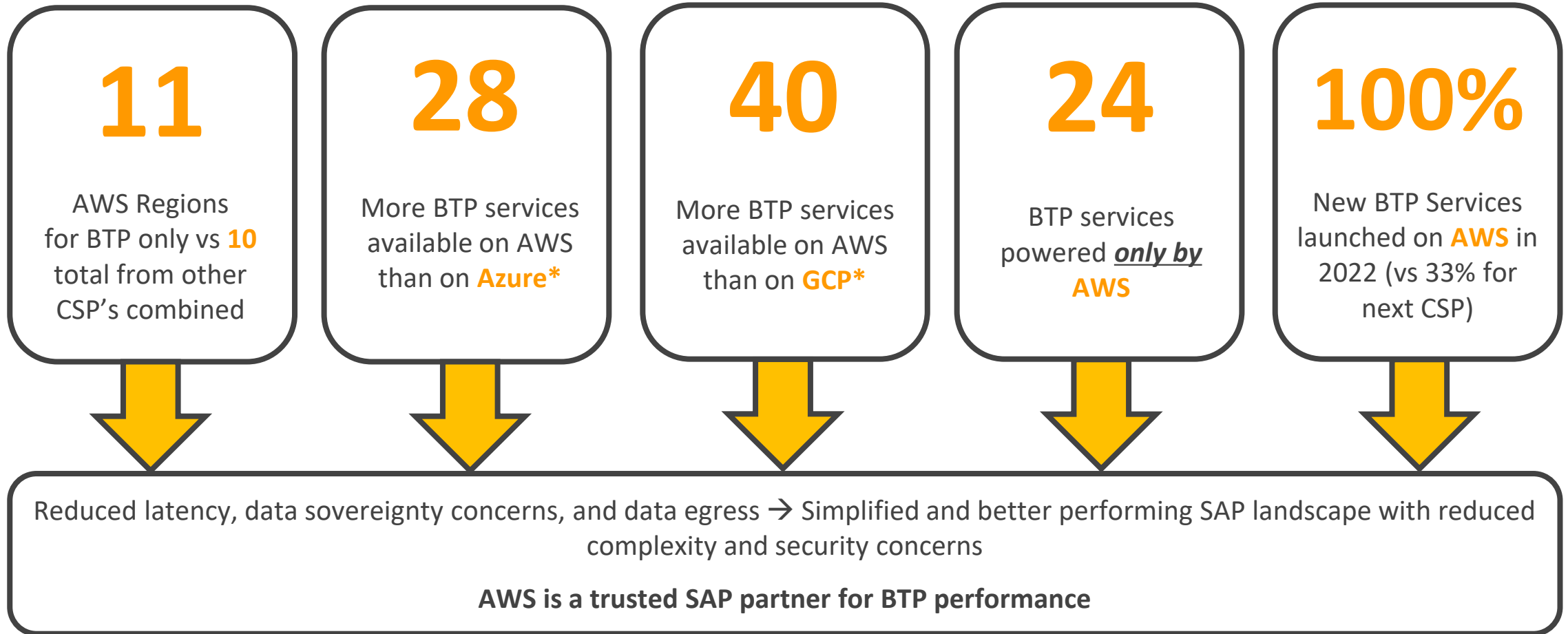
One

Source of truth and a single foundation of diverse financial KPIs

THE BEST RUN 



RISE on AWS with BTP Accelerates Customer Value



*as of March 2023 - SAP Discovery Center [Link](#)

Most Impactful SAP BTP and SaaS Services exclusively powered by AWS



SAP Signavio

Allows customers to gain insights to key processes improvement opportunities.

Critical for customers to manage transformation scope and spend →

Customers will use an AWS hosted SAP service early in their engagement



SAP BTP ABAP Environment

Allows customers to create innovation ABAP applications and extensions in the cloud.

Critical for customers to extend and add flexibility to their RISE deployment →

Non-AWS RISE deployments will need to process the BTP ABAP code on AWS



SAP Analytics Cloud, Embedded Edition

Allows customers to build and embed reports, dashboards, and visuals into their business applications.

CRITICAL for data driven decision making

→ Non-AWS RISE deployments will need to process the BTP enabled embedded analytics on AWS



SAP Build Process Automation

A no-code app development platform that creates applications for the Web and process automation.

Critical if customer plans to build apps and automation around RISE →

Non-AWS RISE deployments will run the SAP Build applications on AWS



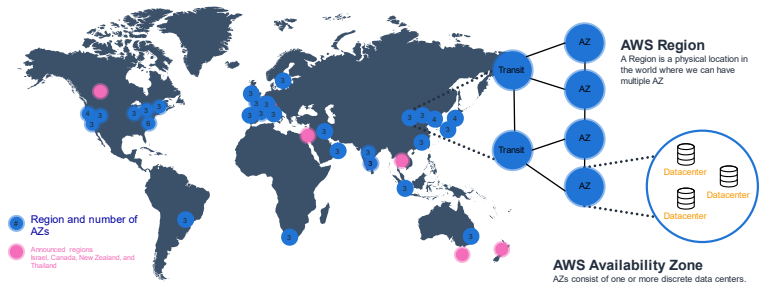
SAP Forms Service by Adobe

Lets customers generate print and interactive forms using Adobe Document Services.

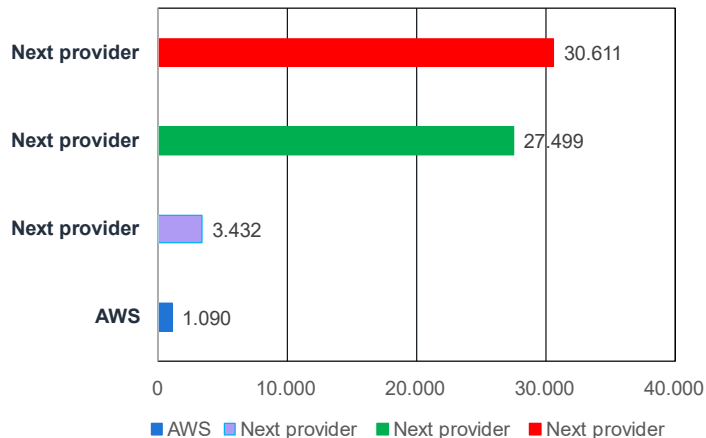
Critical if customers want to print any docs created by Adobe forms such as invoices, receipts, sales order, shipping labels, etc →

Non-AWS RISE deployments will send all print requests to Adobe Forms service hosted on AWS for processing and back

Increase reliability of mission critical SAP systems



Detailed Downtime Hours by Provider in 2022



Why Cloud Infrastructure matters

- AWS delivers **highest network availability** of any cloud provider due to the **unique design** of its Global Cloud Infrastructure – **~3X higher availability** compared to its closest competitor¹
 - An **AWS Region** is a physical location in the world, and consists of multiple (min. 3) discrete Data Centers, called **Availability Zones**
 - Data is replicated between Availability Zones within a Region, or can be replicated between Regions to **architect for High Availability and Disaster Recovery**
 - AWS offers **31 Regions and 99 Availability Zones**² – the **largest global footprint** of any provider

Reliability benefits for SAP RISE on AWS customers

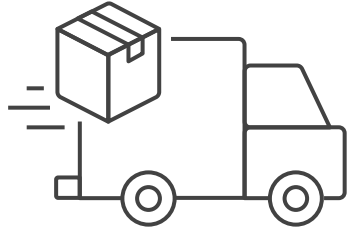
- SAP provides **2 Disaster Recovery (DR) options for RISE on AWS**
 - Short Range DR – High Availability within 1 AWS Region with synchronous data replication
 - SAP provides³ **0 Data Loss (RPO 0)** in case of outages **in 27 AWS Regions**
 - SAP provides³ **12 or 4 hour Recovery Time Objective (RTO) options in 27 AWS Regions**
 - Long Range DR – High Availability with DR in another AWS Region
 - Enhanced Disaster Recovery option to **meet highest customer demands**
 - High Availability in 1 Region with asynchronous data replication to another AWS Region

1 – Public Status Pages for Cloud Providers (data as of 06/02/2023)

2 – [AWS Global Cloud Infrastructure overview](#) (data as of 06/02/2023)

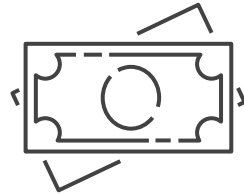
3 – [SAP DR SLA document](#), [SAP 2nd DR SLA document](#)

Why Does RPO = 0 Matter To SAP Customers



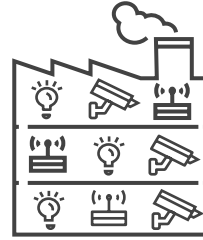
Supply chain and logistics

Eliminate risk of inventory discrepancies in supply chain and logistics operations



Financial accounting and controlling

Avoid duplicate invoicing and payments in financial accounting and controlling operations



Manufacturing

Reduce production order and work instructions discrepancies in manufacturing operations



Sales and distribution

Prevent loss of sales orders or duplications



Operational Stability

Potential business disruption is decreased when RISE runs AWS and RPO=0 →
*Gartner cites the cost of network downtime to be **\$5,600 / minute**

*<https://www.the20.com/blog/the-cost-of-it-downtime/>

*<https://blogs.gartner.com/andrew-lerner/2014/07/16/the-cost-of-downtime/>



El camino apenas comienza ¿cómo hay que andarlo?



¿Ha iniciado su **camino en la nube**?

¿Eligió SAP sobre AWS o SAP RISE sobre AWS?

¿Quién le ayudará a **materializar todos los beneficios** prometidos por la nube?

Subir a la nube requiere un **nivel de madurez e inteligencia en la nube** que le asegure que obtendrá todos los beneficios esperados:

- Flexibilidad
- Velocidad
- Escalabilidad y elasticidad
- Seguridad
- Rentabilidad
- Aceleración de la Innovación

Para ello requiere de **procesos maduros**, un equipo de **arquitectos e ingenieros AWS-SAP**, **herramientas** especializadas y **sistemas** para administrar sus entornos.



¿Cuáles son los retos típicos que se enfrentan en SAP sobre AWS?

¿Quién me asegura que los servicios desplegados son los correctos en términos de cómputo, memoria y almacenamiento, que están conectados de manera eficiente y segura y son accedidos solo por las entidades autorizadas (sistemas/personas)?

¿Quién está de guardia las 24 horas del día, los 7 días de la semana, después del horario de atención y los fines de semana para atender las alertas de infraestructura y aplicaciones SAP?

Cliente: “Quiero enfocar a mis colaboradores altamente calificados y que me cuestan mucho en tareas que generen mucho valor al negocio en lugar de distraerlos con problemas de soporte”.

¿Quién se encarga de la recuperación ante desastres, la administración de parches, las verificaciones de seguridad y la supervisión de registros?



¿Cuáles son los retos típicos que se enfrentan en SAP sobre AWS?

Con AWS, solo paga por los servicios que utiliza: el desafío es saber qué servicios está utilizando, con que carga están, que costos asociados tienen y que oportunidades para mejorarlos existen.

¿Quién me asegura que los cambios que debo introducir a mi ambiente son los adecuados en términos de arquitectura, seguridad y costos?

Cliente: Tener dos frentes de atención, uno para infraestructura AWS y otro para temas SAP genera áreas grises de atención, necesito un solo punto de atención.



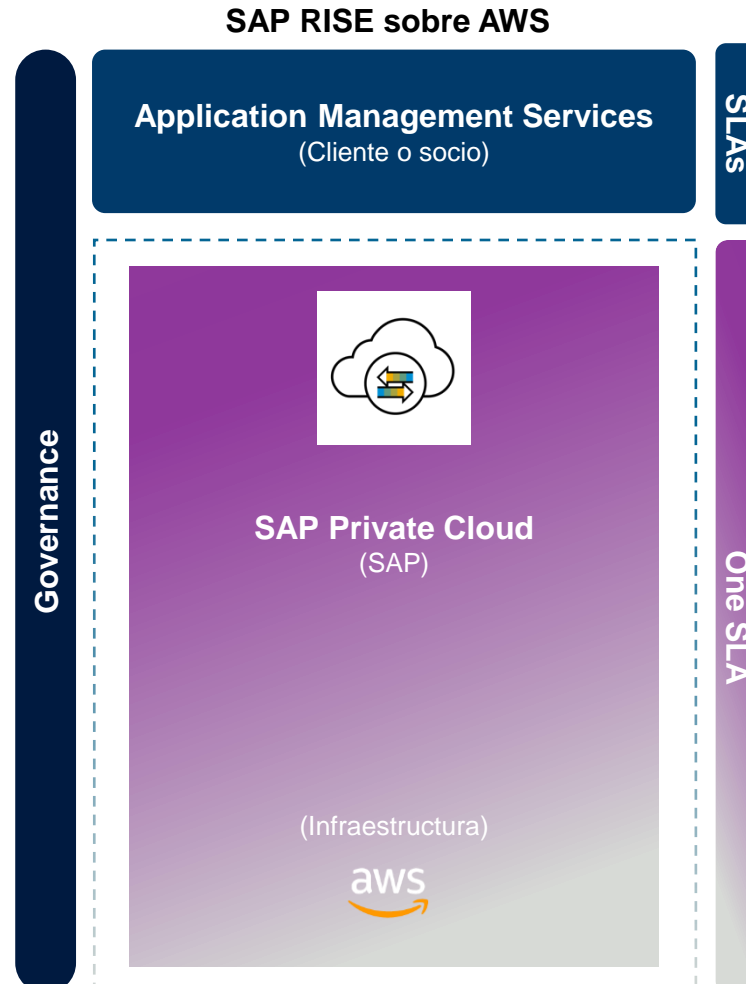
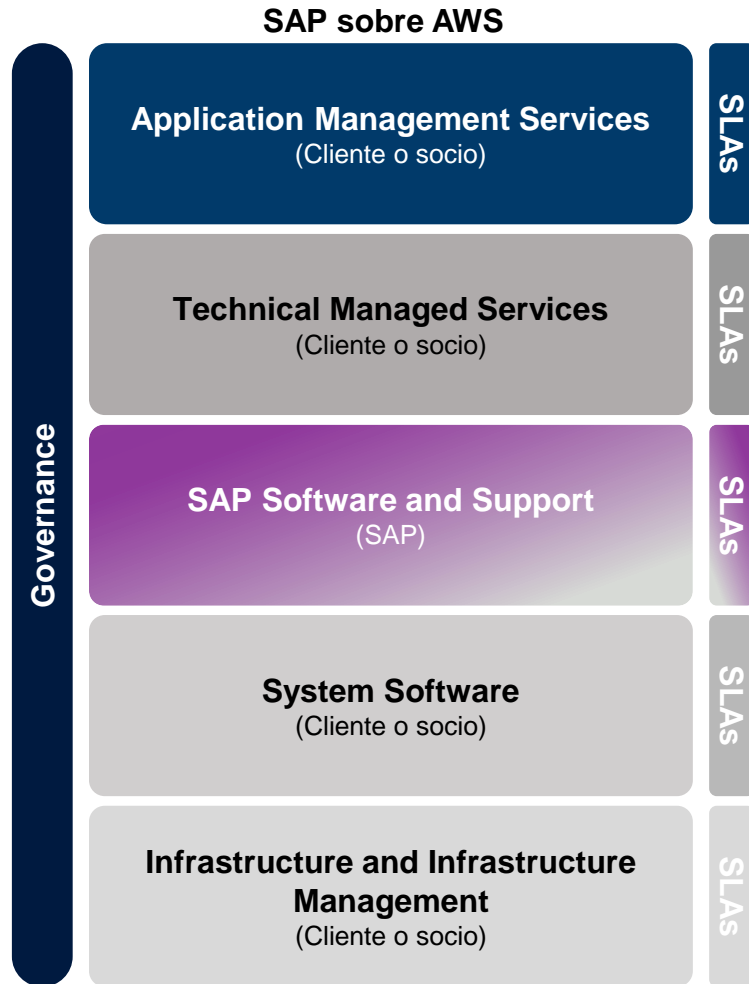
Modelos de Soporte



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Modelo SAP sobre AWS / Modelo SAP RISE sobre AWS



- SAP sobre AWS – Las diferentes capas de servicios administrados son responsabilidad del Cliente o de un Socio de Servicios SAP/AWS.
- SAP RISE sobre AWS – Solo la capa de Servicios de Gestión de las Aplicaciones on responsabilidad de Cliente o Socio de Servicios SAP. Todas las demás capas quedan administradas por SAP.

SAP RISE on AWS (SaaS)

Aplicaciones SAP / Aplicaciones AWS

SAP on AWS (IaaS/PaaS)

Aplicaciones SAP / Aplicaciones AWS

Managed Services
Aplicaciones/
BASIS/
Soporte De
Producto/
Software de
Sistema/
Infraestructura

Gestión SAP

Gestión SAP

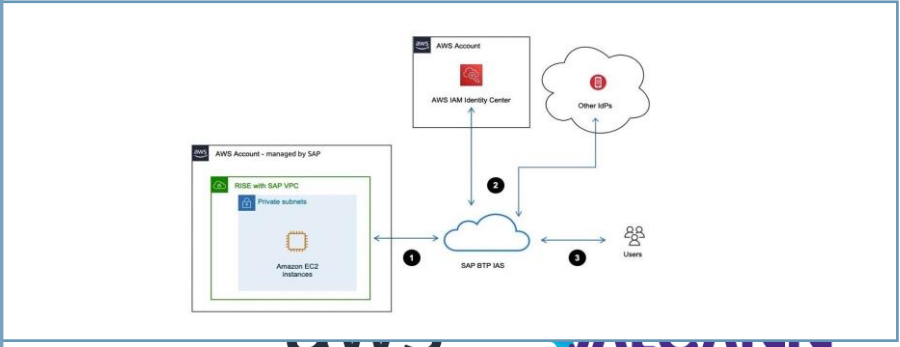
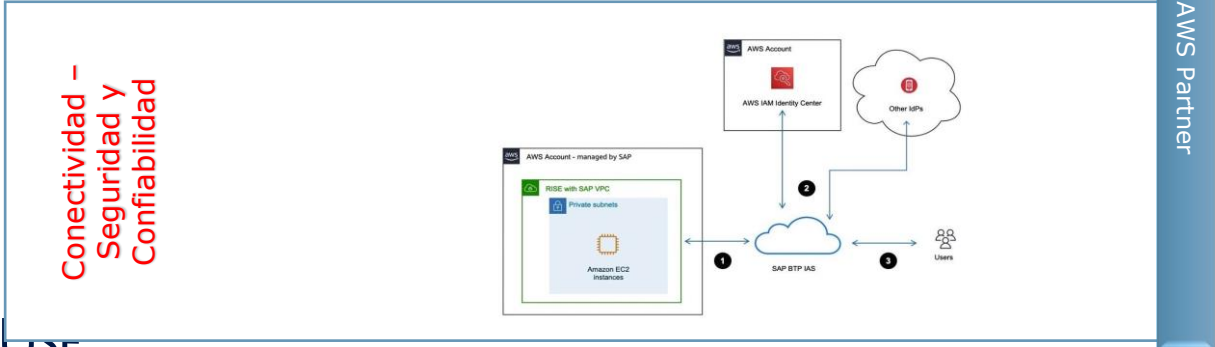
Extensiones

Categoría	Caso de Uso	Servicios AWS
Desempeño	SAP Fiori Launch Pad y Acceso Global	Amazon CloudFront
Lago de Datos	Analíticos	Amazon AppFlow, AWS Glue y QuickSight
Integración de Aplicaciones	Integración	AWS Lambda y Amazon API Gateway
Gestión de Documentos	Archivado	Amazon S3 Glacier y Amazon S3 File Gateway
Desarrollo y Extensiones	Desarrollo	AWS SDK for SAP ABAP
Front-End Usuario	Front-End	Amazon Workspaces y Amazon AppStream 2.0

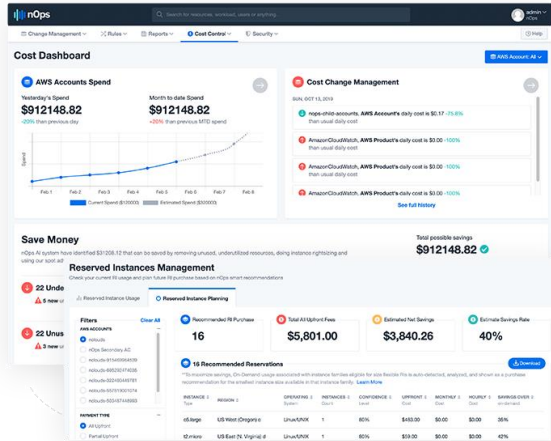
Gestión Cliente / SAP AWS Partner

Gestión Cliente / SAP AWS Partner

Categoría	Caso de Uso	Servicios AWS
Desempeño	SAP Fiori Launch Pad y Acceso Global	Amazon CloudFront
Lago de Datos	Analíticos	Amazon AppFlow, AWS Glue y QuickSight
Integración de Aplicaciones	Integración	AWS Lambda y Amazon API Gateway
Gestión de Documentos	Archivado	Amazon S3 Glacier y Amazon S3 File Gateway
Desarrollo y Extensiones	Desarrollo	AWS SDK for SAP ABAP
Front-End Usuario	Front-End	Amazon Workspaces y Amazon AppStream 2.0



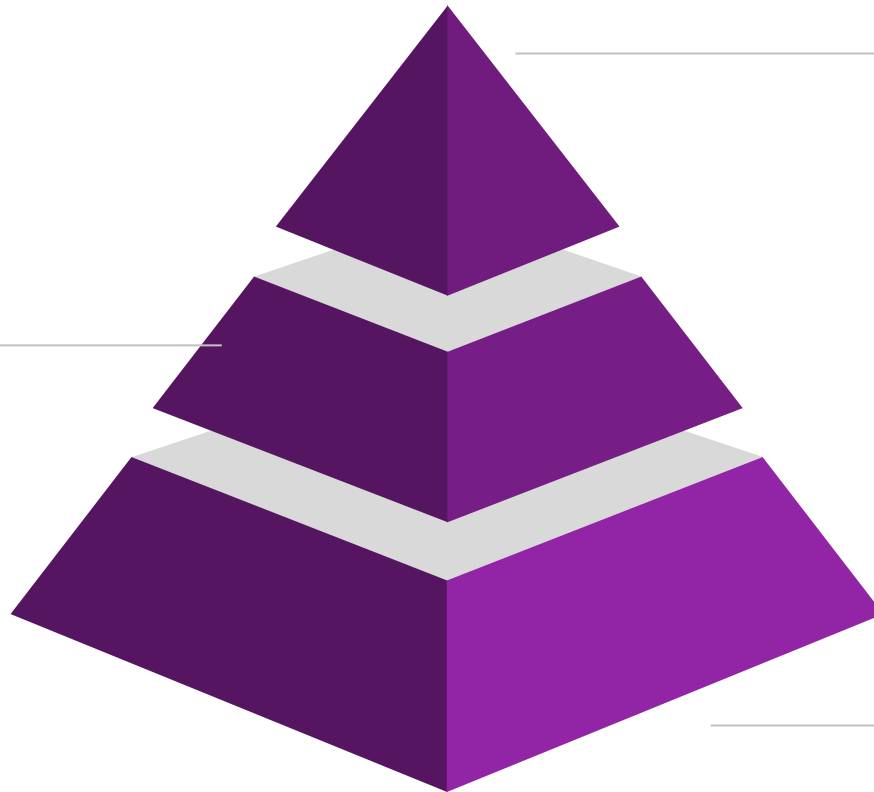
Gobierno de la nube



WELL-ARCHITECTED REVIEW

Revisión automática de pilares y controles de Well-Architected Framework.

2

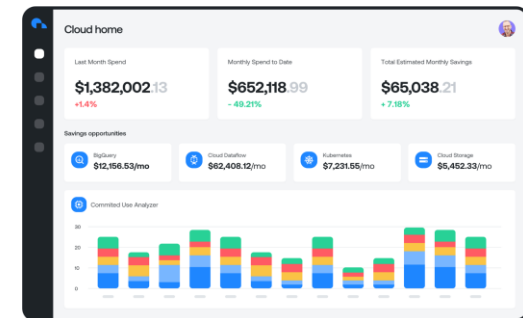


AWS CLOUD STRATEGY CANVAS		
CORE PURPOSE What is the primary purpose of the cloud?	IT PORTFOLIO SNAPSHOT What are the current cloud services?	APPLICATIONS TO MOVE Which applications should be moved to the cloud?
BUSINESS NEEDS What business processes does technology need to support?	TECHNOLOGY CHALLENGES What technology challenges are likely to impact business objectives?	STRATEGIC ACTIONS What actions should be taken to achieve the core purpose?
SYSTEM GOALS What are the key goals for the cloud environment?	PRECONDITIONS FOR SUCCESS What are the key factors for success in the cloud?	KEY ACTIONS: READYING PEOPLE PROCESS CULTURE What actions should be taken to prepare the organization for the cloud?

CLOUD STRATEGY CANVAS

1 Modelado y gobierno de la estrategia general de Cloud Computing, con contenido para pares ejecutivos.

FINOPS



Análisis continuo de oportunidades para optimizar la arquitectura cloud, la infraestructura y los modelos de negocio.

3

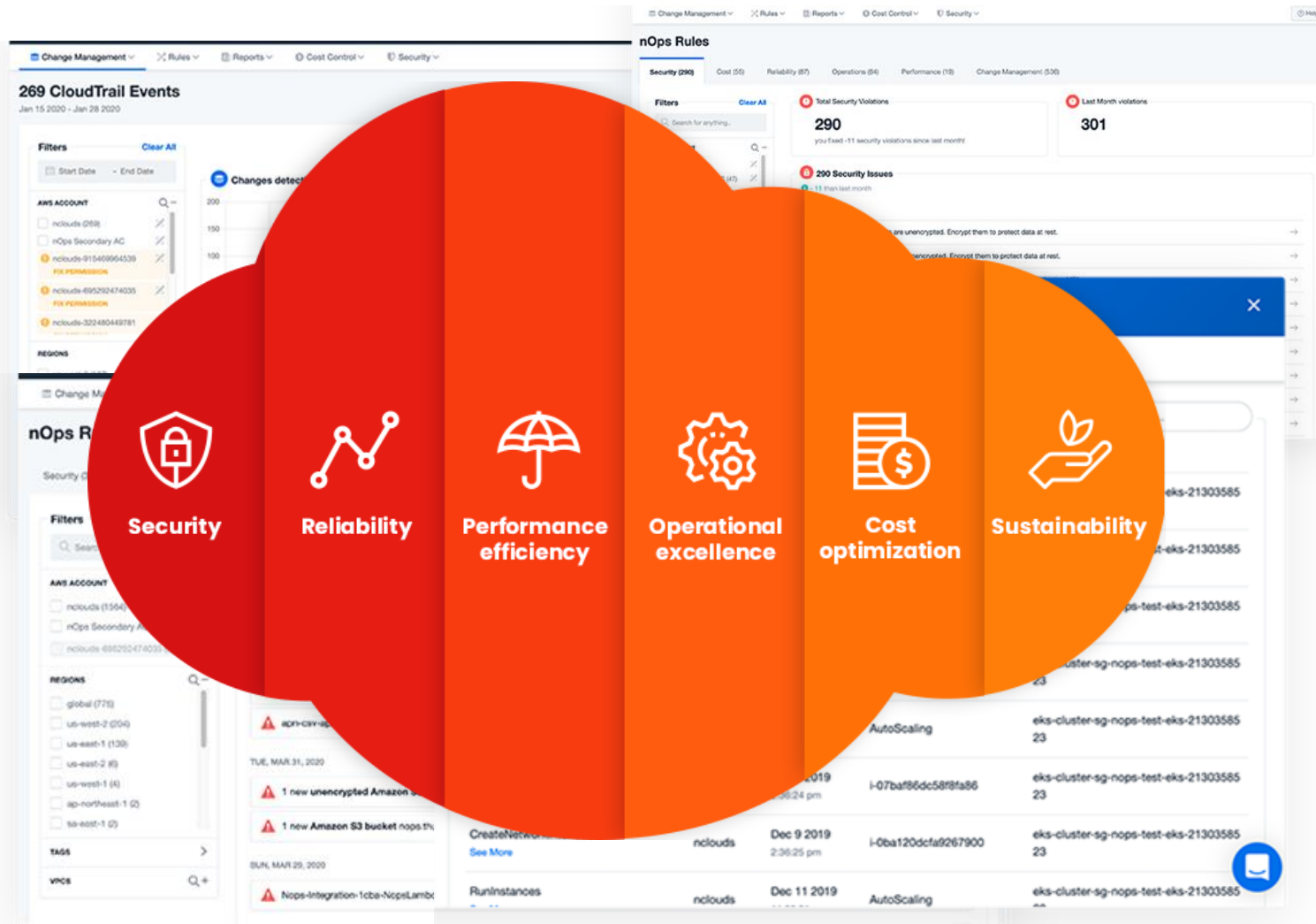
Gobierno de la nube – Cloud Strategy Canvas

aws CLOUD STRATEGY CANVAS

<p>CORE PURPOSE Why are you considering a move to the cloud?</p> <p>(Example: Increase the speed and agility of our technology organization.)</p>	<p>IT PORTFOLIO SNAPSHOT</p> <p>1. LARGE ENTERPRISE OR WEB APPS</p> <p>(e.g., SAP, WWW, other commercial off the shelf applications)</p> <p>2. STAGNANT</p> <p>(e.g., being used to run the business, but little/no active development)</p>		<p>APPLICATIONS TO MOVE Where should we start?</p> <p>APPLICATION/WORKLOAD:</p> <p>STRATEGY:</p> <p><input type="checkbox"/> REHOST <input type="checkbox"/> REPURCHASE <input type="checkbox"/> REPLATFORM <input type="checkbox"/> REARCHITECT <input type="checkbox"/> NET NEW</p> <p>ATTRIBUTE: <input type="checkbox"/> LOW RISK <input type="checkbox"/> ON FIRE <input type="checkbox"/> PROOF POINT</p> <p>ADDRESSES: <input type="checkbox"/> BUSINESS NEEDS <input type="checkbox"/> TECH CHALLENGES <input type="checkbox"/> BizTECH GOALS</p>
<p>BUSINESS NEEDS What key business priorities does technology need to support?</p> <p>(Examples: user growth, cost containment, competitive threats, speed to market, etc.)</p>	<p>3. SENSITIVE</p> <p>(e.g., PII, compliance, regulated workloads that will be scrutinized from the outside)</p>	<p>4. NON-PERFORMING</p> <p>(e.g., "on fire," too slow, unstable, not scaling, causing the most heartburn)</p>	<p>APPLICATION/WORKLOAD:</p> <p>STRATEGY:</p> <p><input type="checkbox"/> REHOST <input type="checkbox"/> REPURCHASE <input type="checkbox"/> REPLATFORM <input type="checkbox"/> REARCHITECT <input type="checkbox"/> NET NEW</p> <p>ATTRIBUTE: <input type="checkbox"/> LOW RISK <input type="checkbox"/> ON FIRE <input type="checkbox"/> PROOF POINT</p> <p>ADDRESSES: <input type="checkbox"/> BUSINESS NEEDS <input type="checkbox"/> TECH CHALLENGES <input type="checkbox"/> BizTECH GOALS</p>
<p>TECHNOLOGY CHALLENGES What technology challenges are limiting your ability to meet business objectives?</p> <p>(Examples: release frequency, B.I., app stability, app security, etc.)</p>	<p>5. NET NEW</p> <p>(e.g., new initiatives/projects being considered, greenlit, under development)</p>	<p>6. DWH BIG DATA PLATFORMS</p> <p>(e.g., ESB, messaging, CMS, virtualization platforms)</p>	<p>APPLICATION/WORKLOAD:</p> <p>STRATEGY:</p> <p><input type="checkbox"/> REHOST <input type="checkbox"/> REPURCHASE <input type="checkbox"/> REPLATFORM <input type="checkbox"/> REARCHITECT <input type="checkbox"/> NET NEW</p> <p>ATTRIBUTE: <input type="checkbox"/> LOW RISK <input type="checkbox"/> ON FIRE <input type="checkbox"/> PROOF POINT</p> <p>ADDRESSES: <input type="checkbox"/> BUSINESS NEEDS <input type="checkbox"/> TECH CHALLENGES <input type="checkbox"/> BizTECH GOALS</p>
<p>BIZTECH GOALS What is the desired future state of your business-enabling technology?</p> <p>(Examples: Real-time reporting, DevOps, Agile, etc.)</p>	<p>PRECONDITIONS FOR SUCCESS For the cloud to be a viable strategy, what must be true about:</p> <p>OUR PEOPLE, PROCESS, CULTURE?</p> <p>OUR HI-LEVEL BUSINESS CASE?</p> <p>(e.g., we can map apps to cloud, we have a trained team, we can operate securely, etc.)</p> <p>(e.g., costs less than on premises, executive sponsorship, etc.)</p>		<p>KEY ACTIONS: READYING PEOPLE PROCESS CULTURE What must we do to ensure preconditions are in fact true?</p> <p>(Example: dedicated cloud team, secure cloud environment, identify consulting partner, etc.)</p> <p>KEY ACTIONS: BUILDING HI-LEVEL BUSINESS CASE What must we do to ensure preconditions are in fact true?</p> <p>(Example: accurate view of on-premises cost, executive sponsorship, etc.)</p>

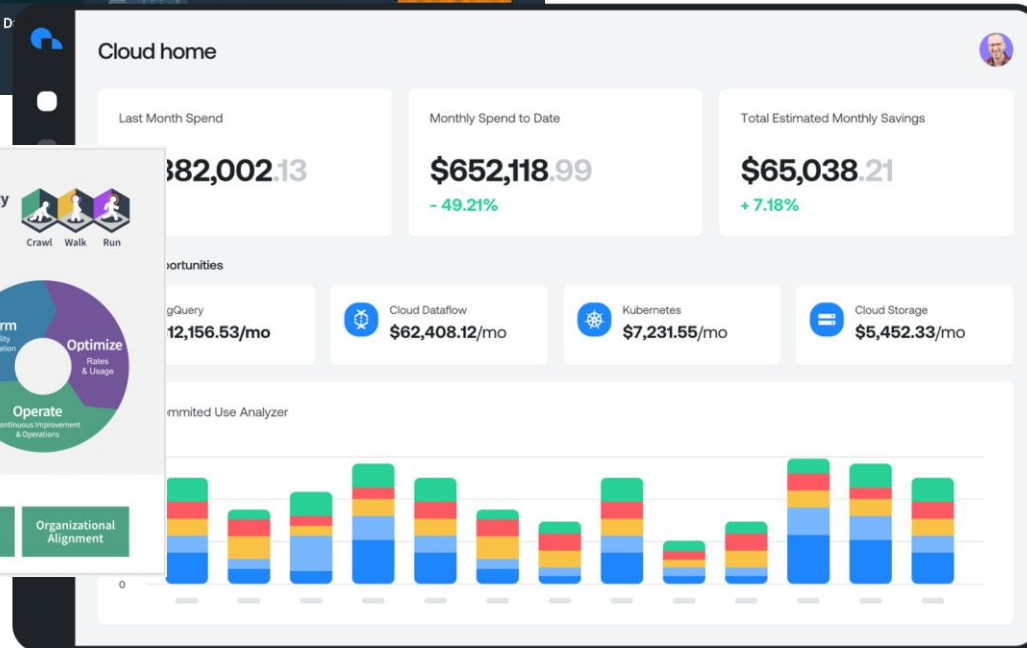
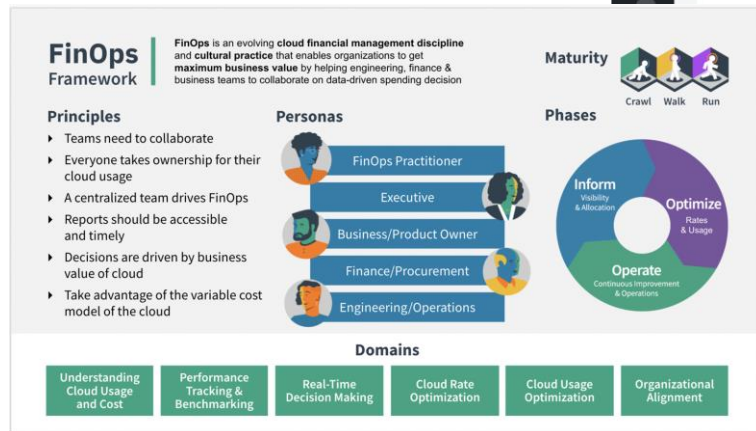
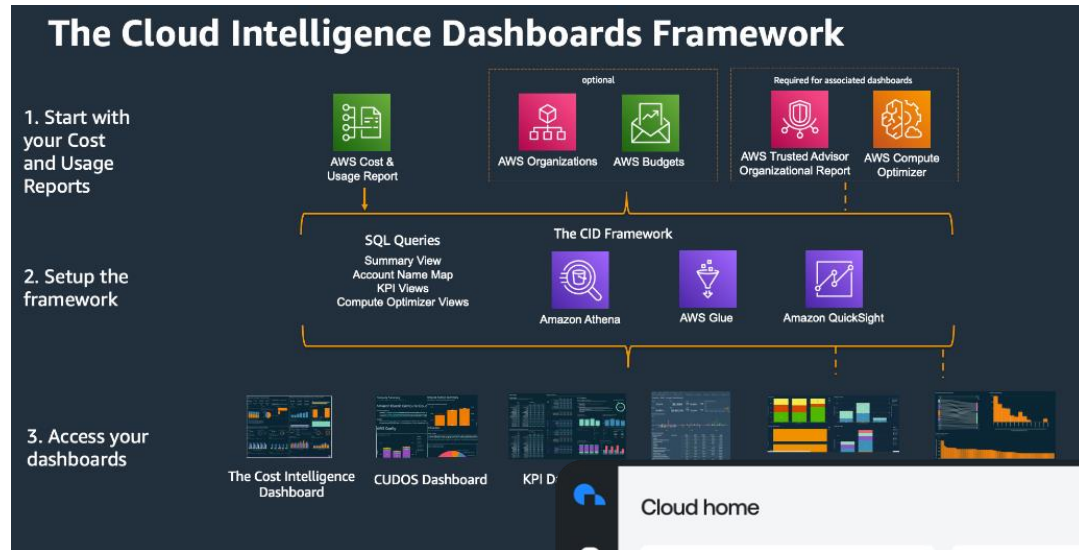
- Utilizado por empresas y equipos de todo el mundo para concebir, diseñar, desarrollar y probar nuevas estrategias.
- La naturaleza visual práctica de Cloud Strategy Canvas fomenta el descubrimiento, la discusión y la toma de decisiones.
- Permite concentrar los recursos, que siempre son finitos. La estrategia consiste realmente en tomar decisiones... qué hacer y qué no hacer cuando se trata de su estrategia de computación en nube.

Gobierno de la nube – Revisión Well-Architected



- Un proceso que proporciona información continua sobre el estado de la infraestructura de AWS para optimizar costos, seguridad, confiabilidad, eficiencia de rendimiento y excelencia operativa.
- El objetivo es que ahorre tiempo y obtenga los mejores conocimientos ejecutando una revisión de arquitectura en sus cargas de trabajo de AWS.
- La alineación de sus entornos de AWS con el marco de buena arquitectura debe supervisarse continuamente (las prácticas recomendadas no son únicas) y es necesario tener revisiones continuas después de la revisión.

Gobierno de la nube – FinOps



- El primer paso en su viaje de optimización de costos es configurar su cuenta correctamente y conocer las herramientas y los datos disponibles para la optimización de costos.
- La gestión financiera en la nube (CFM) es la práctica de llevar la responsabilidad financiera al modelo de gasto variable de la nube. Los profesionales de CFM persiguen la eficiencia empresarial en todas sus cuentas visualizando primero su costo y uso, luego estableciendo objetivos y, finalmente, impulsando la responsabilidad de sus equipos de TI para cumplir o superar estos objetivos.

Servicios Administrados / Operación en la nube

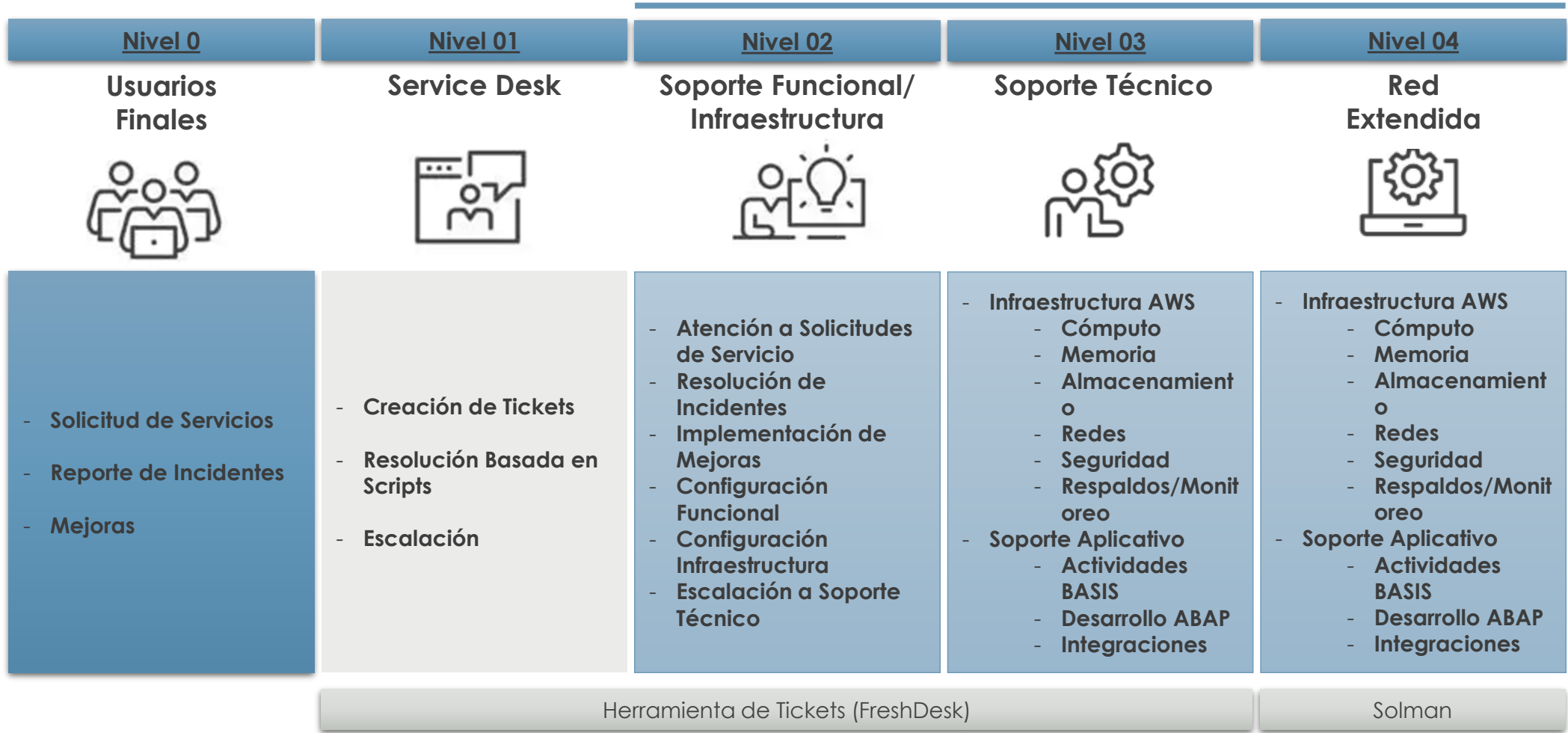


- **Gestión continua end-to-end de la infraestructura y capa técnica de las aplicaciones SAP en la nube.**

- Network Operations Center
- **Seguridad.**
- Automatización y orquestación.
- **Soporte experto (24x7).**
- Optimización de Costos

Entorno de infraestructura Cloud y capa técnica de las aplicaciones SAP.

Modelo Operativo (Infraestructura / Aplicaciones)



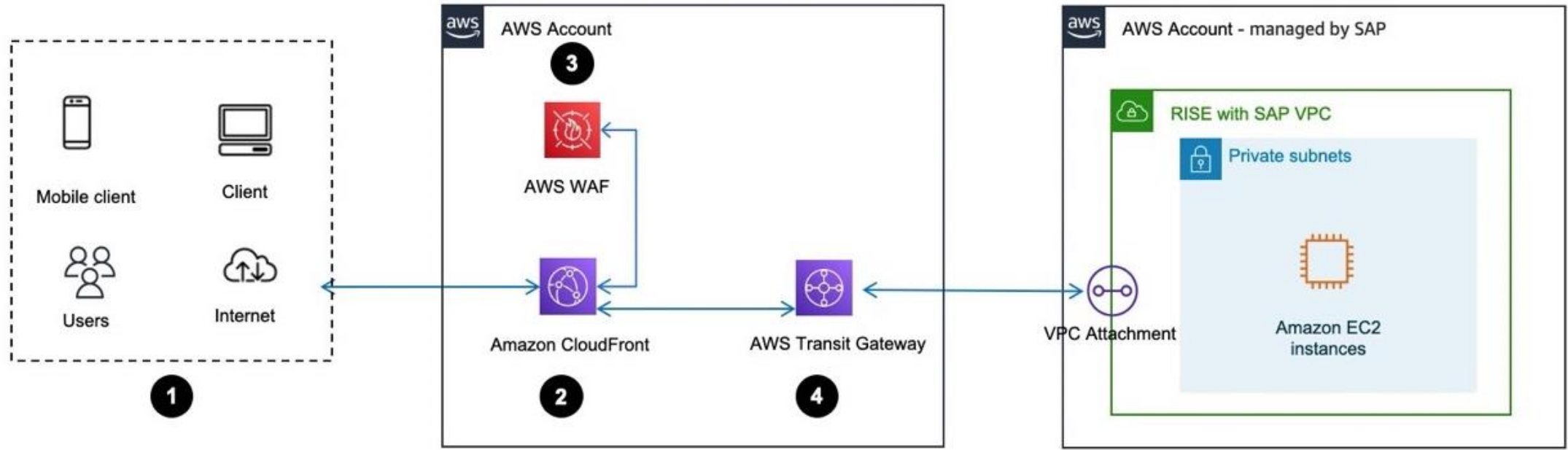
Extensiones

Categoría	Caso de Uso	Servicios AWS
Desempeño	SAP Fiori Launch Pad y Acceso Global	Amazon CloudFront
Lago de Datos	Analíticos	Amazon AppFlow, AWS Glue y QuickSight
Integración de Aplicaciones	Integración	AWS Lambda y Amazon API Gateway
Gestión de Documentos	Archivado	Amazon S3 Glacier y Amazon S3 File Gateway
Desarrollo y Extensiones	Desarrollo	AWS SDK for SAP ABAP
Front-End Usuario	Front-End	Amazon Workspaces y Amazon AppStream 2.0

- Puede **EXTENDER SAP RISE sobre AWS o SAP sobre AWS** utilizando los servicios de **AWS** para mejorar:
 - **El Rendimiento,**
 - **La seguridad,**
 - **La agilidad y**
 - **Reducir los costos.**
- **Algunos casos de uso.**

<https://docs.aws.amazon.com/sap/latest/general/extensions-rise.html>

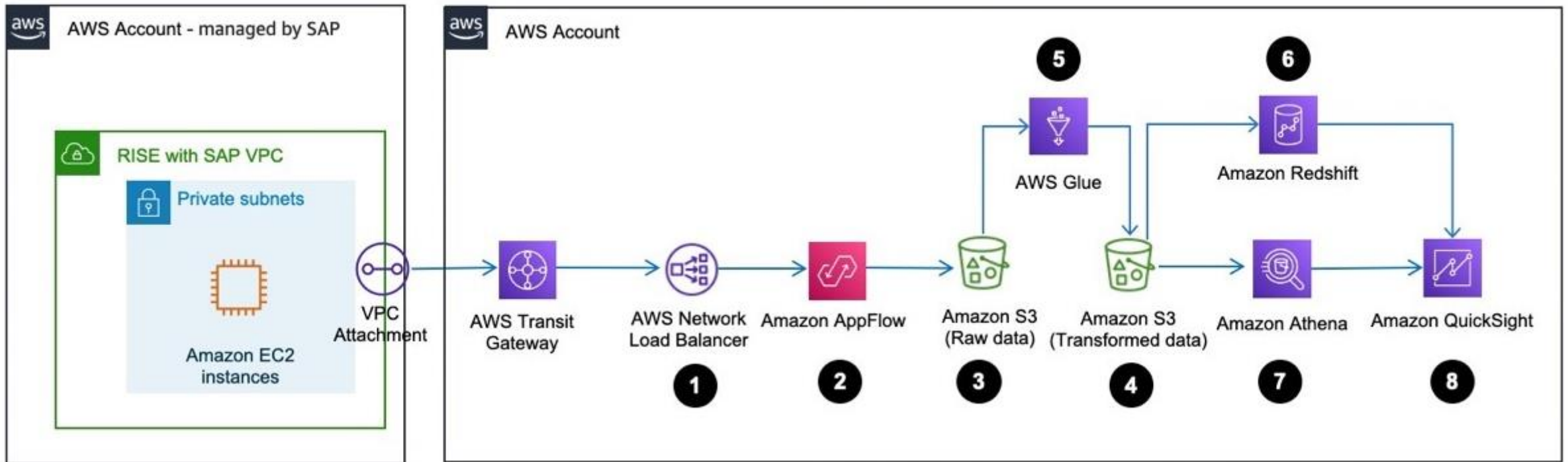
Extensiones – Desempeño



Implemente Amazon CloudFront en su VPC para **aumentar el rendimiento y reducir la latencia** del launchpad de SAP Fiori en RISE con SAP/s4Hana.

<https://docs.aws.amazon.com/sap/latest/general/extensions-rise.html>

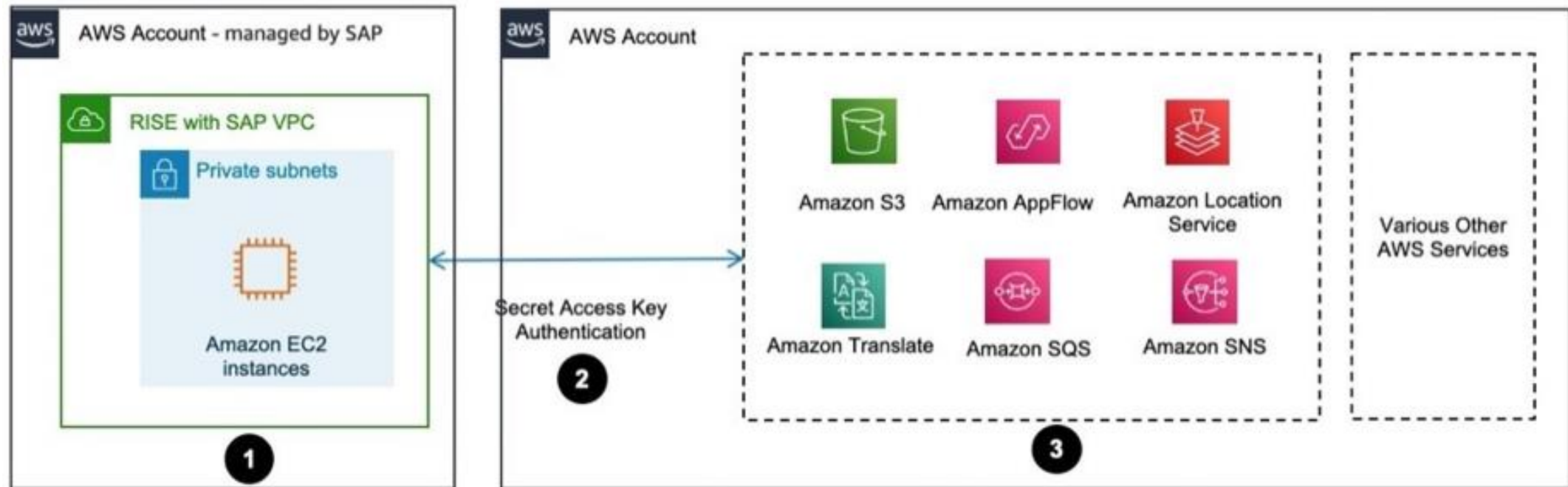
Extensiones – Lago de Datos



Despliegue **Amazon AppFlow** para extraer datos de **SAP S/4HANA** a través del protocolo OData, que también se puede basar en el ODP Framework. El resultado de la extracción se almacena en **el lago de datos de Amazon S3**. Estos datos se pueden procesar con AWS Glue, Amazon Redshift y Amazon Athena. Los usuarios pueden consumir estos datos con Amazon QuickSight.

<https://docs.aws.amazon.com/sap/latest/general/extensions-rise.html>

Extensiones – Desarrollo y Extensiones



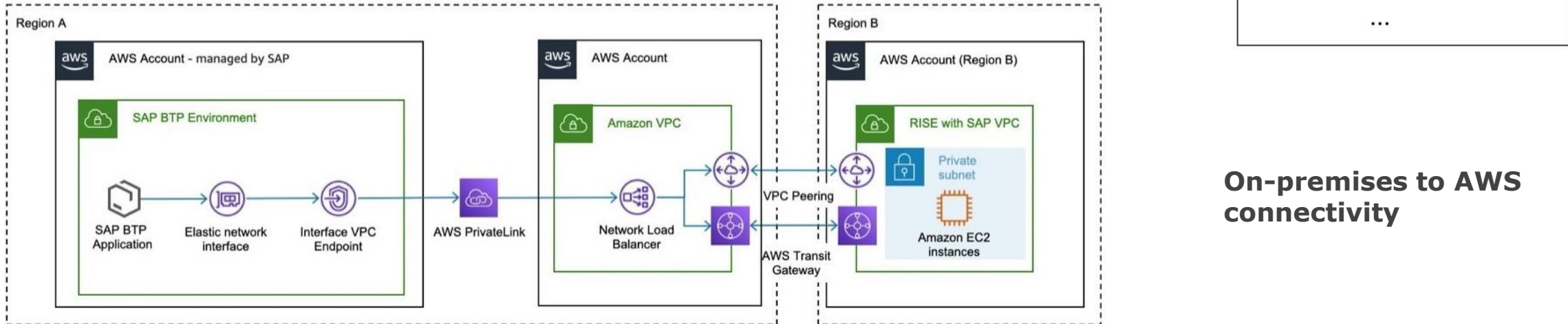
Implemente **AWS SDK para SAP ABAP** en RISE o Sistema S4HANA con SAP VPC para aprovechar los servicios de AWS mediante el lenguaje ABAP.

<https://docs.aws.amazon.com/sap/latest/general/extensions-rise.html>

Conectividad

Connectivity between AWS accounts

Connecting to RISE with SAP/S4HANA using your AWS account

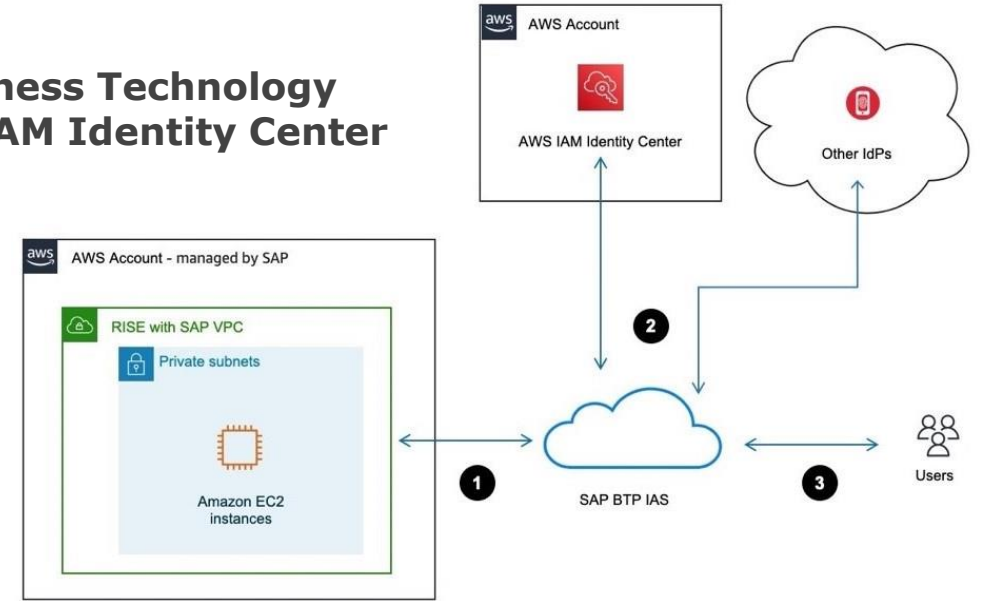
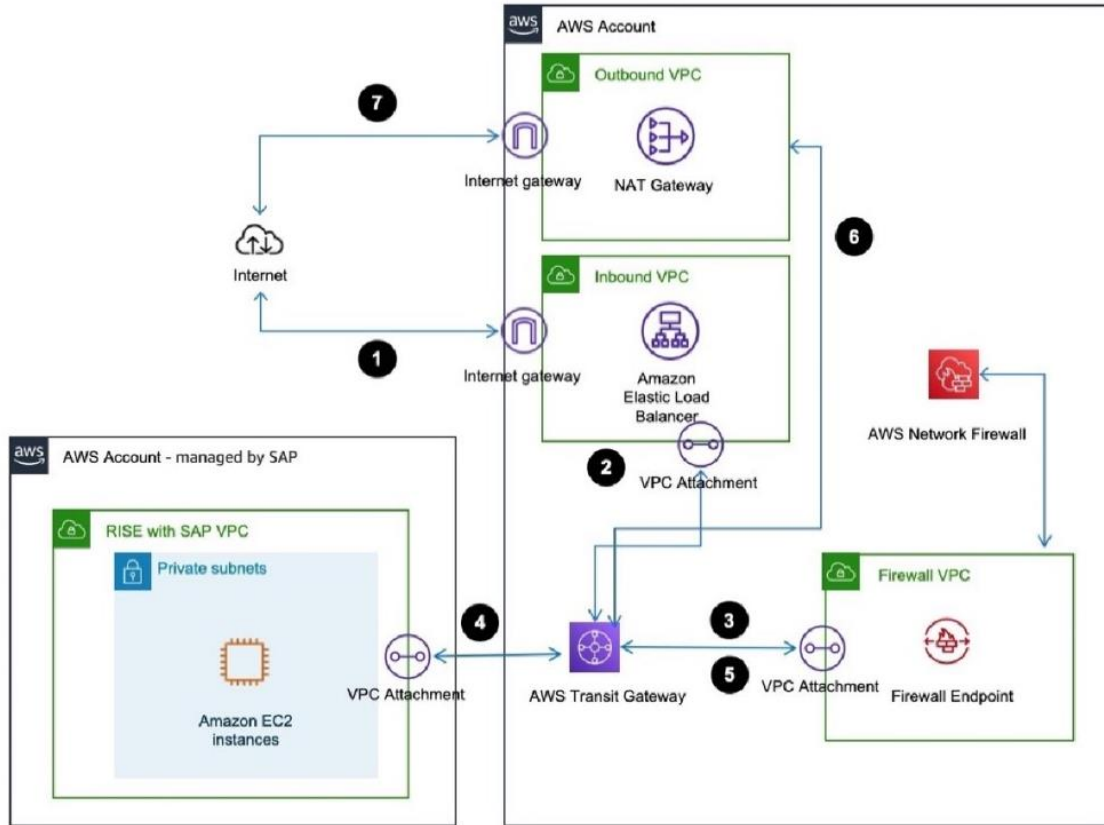


On-premises to AWS connectivity

<https://docs.aws.amazon.com/sap/latest/general/connectivity-rise.html>

Seguridad

Single Sign-On – SAP Business Technology Platform (BTP) and AWS IAM Identity Center

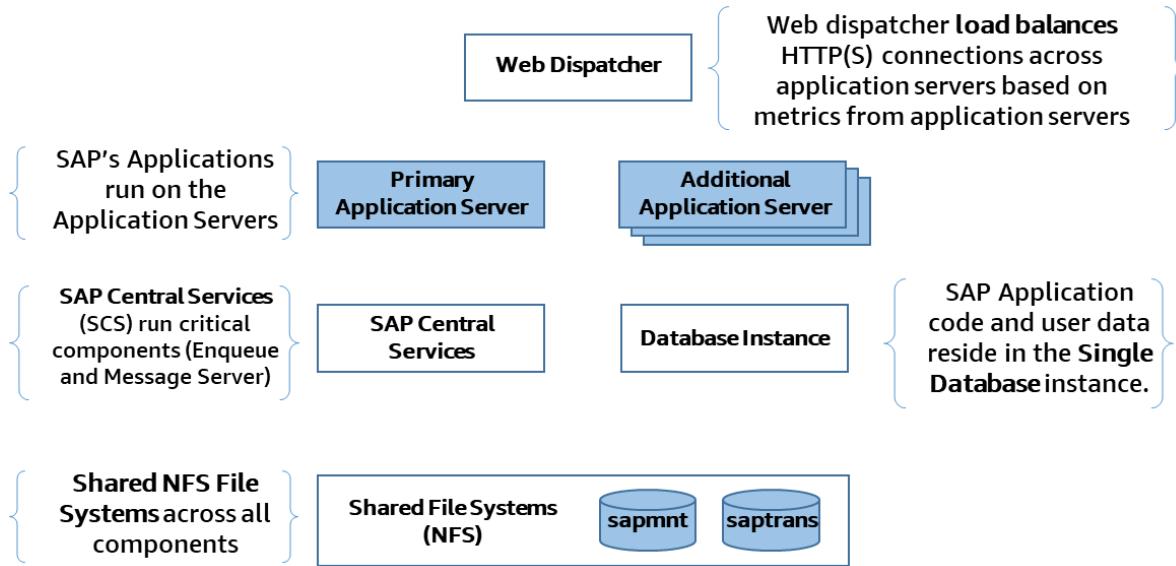


Use AWS services to enhance security in RISE/S4HANA with SAP

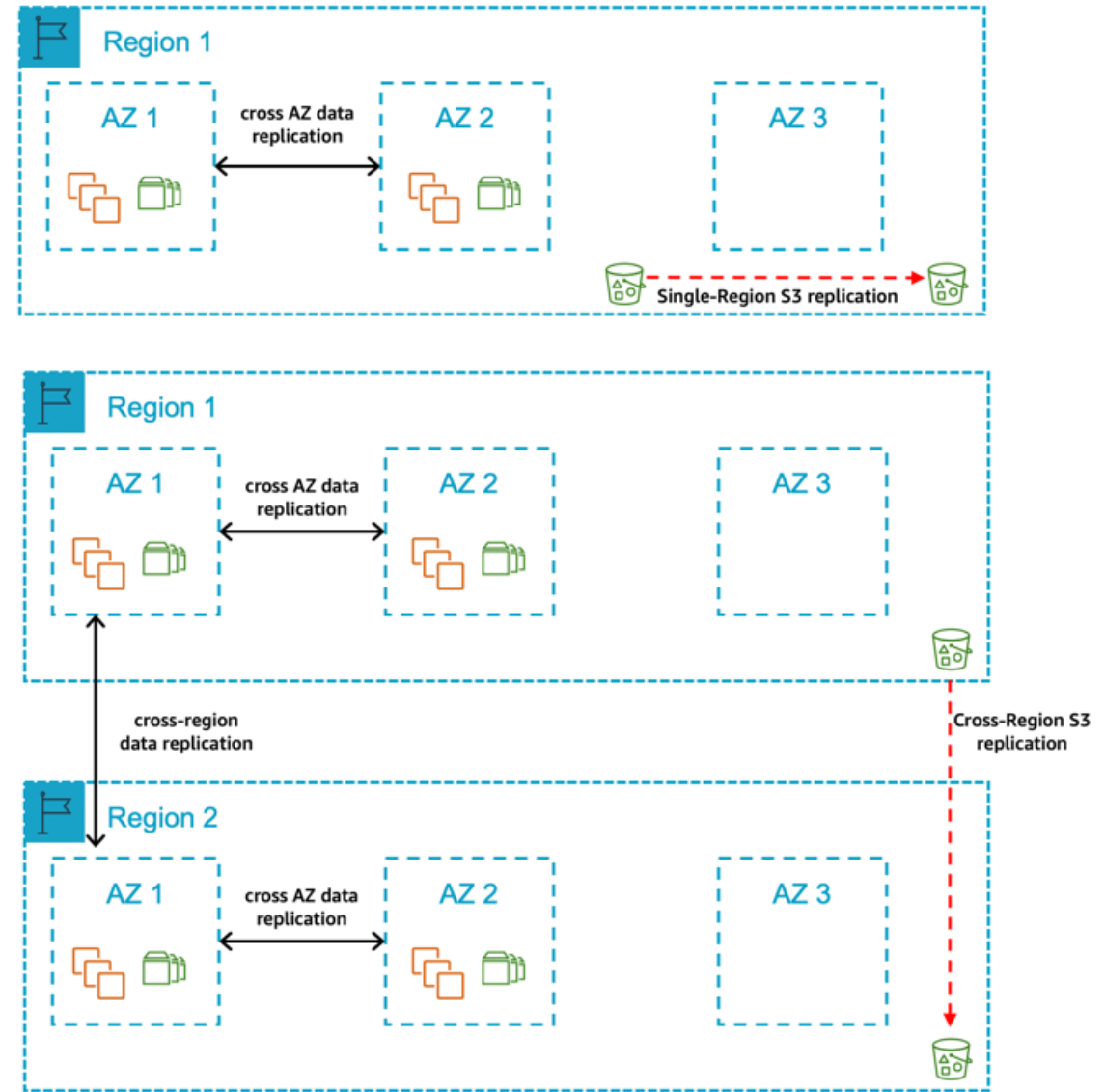
<https://docs.aws.amazon.com/sap/latest/general/security-rise.html>

Disponibilidad

Puntos Únicos de Falla



PU / MTTR / RTS / RTO / RPO



<https://docs.aws.amazon.com/sap/latest/general/security-rise.html>



EPIUSE Servicios de AWS



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SAP RISE on AWS (SaaS)
 Aplicaciones SAP / Aplicaciones AWS

SAP on AWS (IaaS/PaaS)
 Aplicaciones SAP / Aplicaciones AWS

Managed Services / Aplicaciones/
BASIS / Soporte De Producto / Software de Sistema / Infraestructura








Extensiones








SAP® Recognized Expertise
 SAP S/4HANA®



RISE WITH SAP
 Business Transformation as a Service

Conectividad - Seguridad y Confiabilidad

SAP Recognized Expertise
 in SAP SuccessFactors Employee Central and Payroll Solutions










ADN en el mundo SAP

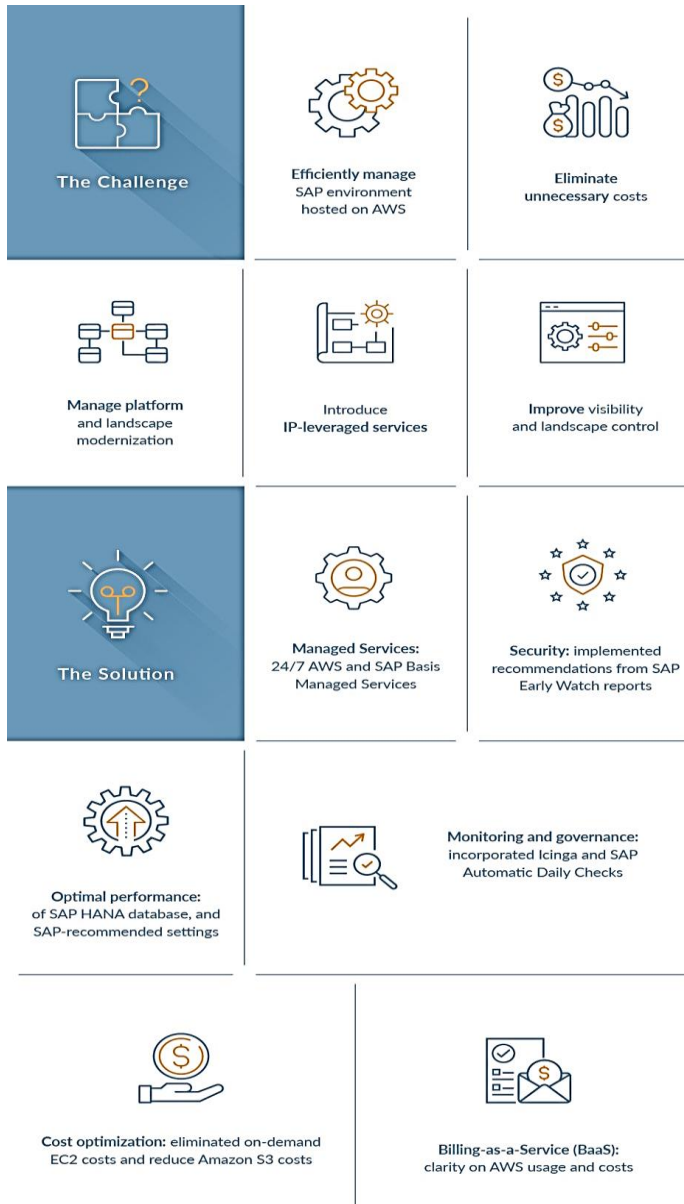
ADN en la nube con AWS



Arquitectos e Ingenieros certificados en servicios AWS y SAP BASIS con muchos años de experiencia que han vivido procesos de convergencia de SAP sobre AWS y entienden los detalles específicos de estas dos tecnologías como un todo integrado

Continuidad en el servicio en el cual el Cliente tendrá un solo punto de gestión y obtendrá respuesta transparente independientemente del origen del problema o requerimiento.

Servicio continuo AWS/SAP – SAP/AWS





¿Preguntas?





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EPI-USE y groupelephant.com

Empresas del Grupo

El Grupo se enorgullece de su merecida reputación como empresa mundial capaz de ofrecer una excelencia constante en su campo, en todos los sectores.



Group Companies (Continued)

El Grupo se enorgullece de su merecida reputación como empresa mundial capaz de ofrecer una excelencia constante en su campo, en todos los sectores.







Más allá del Propósito Corporativo Elefantes, Rinocerontes & Personas (`ERP`)

Nuestro Grupo opera bajo un modelo de negocio híbrido en el cual financiamos y administramos una organización interna sin fines de lucro, de modo que vamos 'Más allá del Propósito Corporativo' en nuestras actividades diarias. En lugar de implementar un programa tradicional de responsabilidad social corporativa y simplemente donar fondos a organizaciones benéficas, con 'Beyond Corporate Purpose' operamos una capacidad de entrega profesionalizada e institucional sin fines de lucro, cuyo enfoque principal es la protección y conservación de elefantes y rinocerontes en el entorno salvaje, a través de una estrategia inusual basada en la mejora económica de la población rural empobrecida en áreas adyacentes a las especies amenazadas, u otra definición de 'ERP', por así decirlo.

Si logramos ganar este compromiso, canalizaremos el 1% (uno por ciento) de nuestros ingresos netos derivados del mismo a proyectos de ERP. Podrá elegir entre una variedad de proyectos a los que se dirigirán los fondos, y nuestro personal de ERP le proporcionará un seguimiento y una evaluación continuos, así como informes, según su elección. Tenga en cuenta que el dinero no constituye un complemento electivo a nuestras tarifas, sino que se descontaría de nuestros ingresos.

Visite www.erp.ngo para ver ejemplos de nuestras iniciativas e intervenciones actuales.



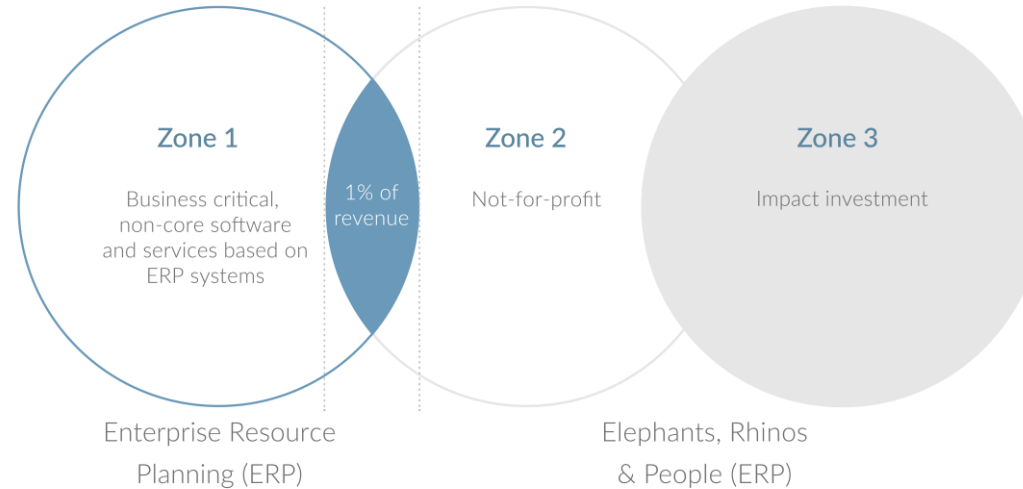
Más allá del Propósito Corporativo



Proteger y preservar elefantes y rinocerontes en el medio silvestre del sur de África.

Innovadora estrategia de mitigación de la pobreza rural.

Intervenciones tácticas.



Al erradicar la pobreza a través (inicialmente) de actividades financiadas por donantes (Zona 2), seguidas de proyectos de inversión de impacto (Zona 3), el plan es obtener beneficios económicos para estas comunidades a través de economías de vida silvestre, actividades de ecoturismo y agricultura.



24
**Cooperatives set up
and running** rural enterprises
since 1994



7
**Hubs and Community
Centres** set up directly
impacting the
local communities



620
Bicycles distributed
in Limpopo and
Northwest Province



3
Beeline fencing initiatives
to give job opportunities and
income to the local communities



Total lives impacted, approx.
500,000
direct and indirect beneficiaries

