

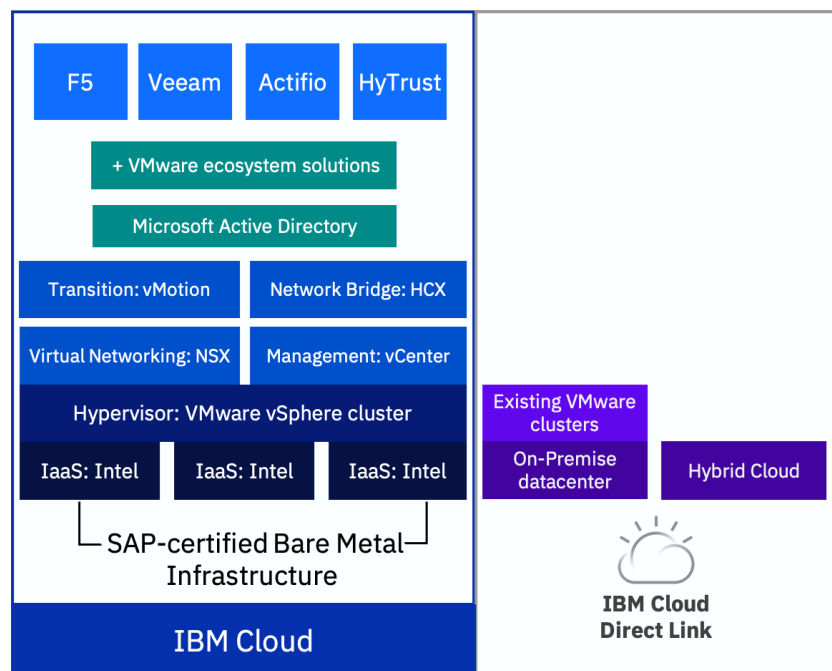
# IBM Cloud for VMware with SAP

## Highlights

- SAP HANA DB scale-up to 4TB memory for OLTP (i.e. SAP S/4HANA)\*
- SAP HANA DB scale-out to 30TB memory for OLAP (i.e. BW/4HANA)\*
- Flexible sizing with SAP HANA TDIv5 delivery model, to accommodate business requirements
- VMware HCX to move SAP-running VMs into IBM Cloud for VMware, via connection into existing network with IBM Cloud Direct Link
- No cost for private network data transfer
- No multi-year terms, on-demand IaaS
- VMware SDDC automated delivery drastically reduces operational costs
- Root-control VMware SDDC with SAP-certified high performance IaaS
- VMFS datastore storage options, Local SSD or Shared Storage up to 18TB at IOPs/GB

## Providing automated delivery of VMware SDDC with secure single-tenant, SAP-certified high performance infrastructure

The journey to SAP S/4HANA, begins with moving business-critical workloads to Cloud. The financial impact of downtime requires solutions which reduce business risk and barriers to entry for SAP implementation projects. However, few enterprises want to invest in the infrastructure or the specialist resources into moving the current SAP business applications. IBM Cloud is able to offer automated delivery of VMware SDDC using secure single-tenant, SAP-certified high performance infrastructure, to meet the needs of moving existing SAP business applications to the cloud with lower effort – and focusing business expertise on delivering SAP S/4HANA on the same scalable infrastructure



## How can IBM Cloud for VMware with SAP help to embrace changes in my SAP applications?

Each business is different in what they offer and how they operate, with the technology intersection of these performed by SAP business applications. Changes to SAP applications result in many business challenges, the top three changes are:

1. **SAP technologies have changed** (e.g. SAP HANA DB) which allows new capabilities in SAP business applications (e.g. SAP S/4HANA) with altered business processes. However, the business needs to continue operations and reduce disruption as those upgrades are adopted and customized to match business needs
2. **SAP implementation approaches are changing** with the new SAP business applications (e.g. SAP S/4HANA), which avoids long project durations and constant regression impact testing by using Cloud Native development connected to SAP OData endpoints. However, the business needs to accelerate other aspects of delivering the project by incorporating tools from the extensive SAP Partner Solutions ecosystem
3. **SAP compute requirements have changed** (e.g. SAP HANA DB) at the same time as a shift of compute infrastructure towards Cloud Service Providers. However, the business needs to ensure:
  - a. the SAP technologies and business applications have compute infrastructure with high security, high performance and high stability,
  - b. the SAP implementation project has the agility from compute scalability (new regression sandboxes or multiple project tracks),
  - c. the Cloud OpEx model and access to Cloud Services provides a financial benefit

Each of these challenges has the potential to cause financial impact through downtime or restrictions to the business and these challenges can create barriers to entry moving towards the new SAP business applications

### IBM Cloud for VMware with SAP addresses each of these challenges:

1. Move existing SAP workloads on VMware, into IBM Cloud, by using VMware HCX to retain existing IP Addresses and Routing; combined with IBM Cloud Direct Link for connection to the existing network
2. Leverage solutions with SAP capabilities, available direct from the IBM Cloud catalog to help with traffic management and access federation, geo-fencing system access policy controls, SAP HANA database backups and more
3. Run on a VMware SDDC powered by secure single-tenant, SAP-certified high performance infrastructure-as-a-service; available on-demand with no multi-year terms and no private network costs - across our global datacenter locations

## Why IBM?

Built on IBM Cloud's worldwide data center infrastructure, with secure single-tenant, SAP-certified high performance infrastructure, IBM Cloud is the selection for SAP workloads

When combined with proven VMware technology, as the virtualization engine of choice for enterprise-scale SAP landscapes and lessons from decades of the IBM-SAP partnership, the IBM Cloud for VMware with SAP provides the best of all technology components

Begin the journey to SAP S/4HANA, with the move to Cloud

Run SAP enterprise-scale workload on  
**IBM Cloud for VMware with SAP**

## Next steps

- [Get started with IBM Cloud for VMware Solutions!](#)
- [Contact the IBM Cloud for VMware with SAP team](#)

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