

Scale, Secure, and Speed Your Clinical Trials

Use Solutions Built and Run on Philips HealthSuite digital platform on Amazon Web Services



When running clinical trials, it's essential to develop a solution you can get to market quickly — and get it right the first time. It's also critical to keep participants' sensitive data secured. Using Philips HealthSuite digital platform (HSDP) on AWS in your development can help you:

- Accelerate development: get development right the first time and scale faster and more systematically
- Scale to geographic, volume, and market demands
- Secure your clinical data since HSDP is HITRUST certified
- Enhance interoperability with hospital systems via native support for FHIR, HL7, DICOM, IHE profiles
- Build and run cloud-based solutions that help you administer faster, better clinical trials
- Integrate wearables and devices, clinical trial end user support, provisioning, patient support, and device creation

Take advantage of IoT management and uptake in clinical trials

Incorporate HSDP's healthcare IoT into the solutions you build for your clinical trials. This will allow you to do the following:

- Reduce the complexity of the integration of devices from multiple device manufacturers
- Efficiently integrate patients' device and image data into your clinical trials
- Leverage IoT to manage, update, monitor, and collect data from smart devices and create smart solutions

Philips HSDP and Amazon Web Services (AWS)

- HSDP allows you to connect devices, collect electronic health data, aggregate and store data, and analyze data within healthcare regulatory, privacy, and security requirements.
- HSDP is built on top of a breadth of AWS services including Amazon EC2 for compute, Amazon S3 for storage, and AWS IoT Core to enable connectivity services.

Leverage cloud-based services proven in customer implementations

- The value of Philips HSDP’s cloud services and platform as a service isn’t hypothetical; it is demonstrated in solutions by customers like Ypsomed and Integron

Ypsomed

Ypsomed, a leader in the development and manufacturing of injection and infusion systems, sought to create a digital solution for medication adherence monitoring and smart device management for clinical trials.

To address these challenges, Ypsomed adopted Philips’ HSDP, built on AWS. HSDP allows Ypsomed to connect devices to the cloud and remotely manage them; store data; and manage and scale services in multiple geographies within healthcare regulatory, privacy, and security requirements.

Benefits reported by Ypsomed:

- Created MVP of solution from scratch in 5 months
- Reduced infrastructure and staffing costs
- Technical flexibility

Integron

Integron supports clinical trials by offering managed services across the entire IoT lifecycle, such as wireless connectivity and device management, for customers’ use in developing connected health solutions.

Philips HSDP and Integron collaborate to allow Integron’s customers to access and process data from devices and electronic health records within HIPAA requirements.

Benefits reported by Integron:

- Integron took advantage of HSDP to help its customers to more easily access and process data from devices and EHRs while adhering to their HIPAA requirements.

Key components of HSDP

Consumer and Healthcare solutions

Information Security Management System

Privacy, security and regulatory controls

24 x 7 operations support

Cloud expertise



Enable you to consume services

Orchestrated Cloud infrastructure

Choose what you need, pay only for what you use.



Share



Analyze



Store



Authorize

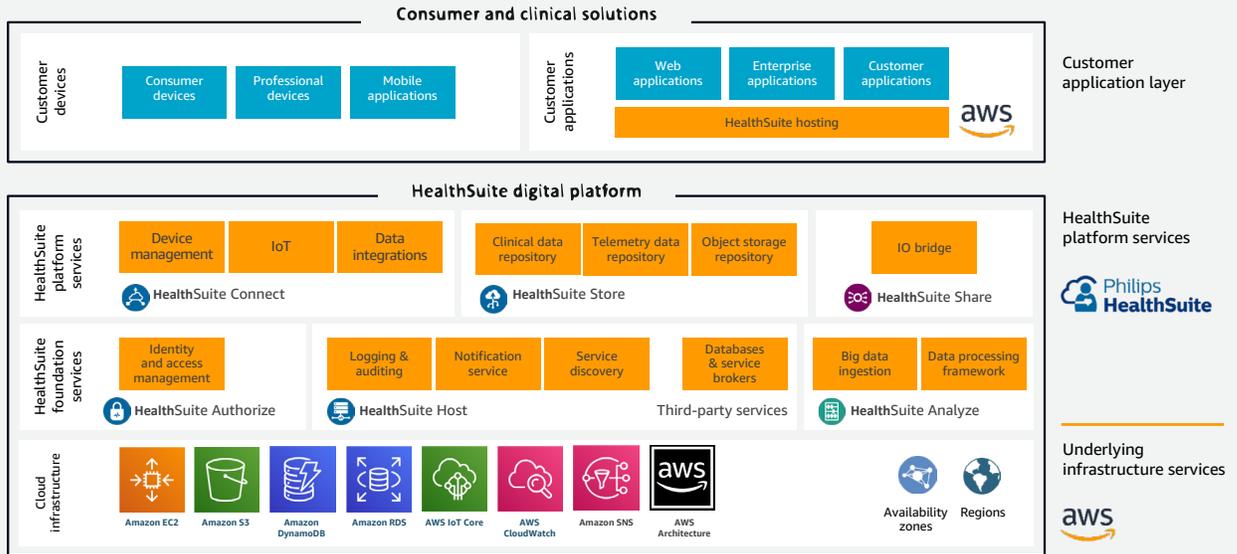


Host



Connect

Philips HealthSuite digital platform and AWS native services



About Philips HealthSuite digital platform (HSDP)

HSDP allows you to:

- Remotely manage devices and ingest, store and integrate device data
- Ingest data from multiple healthcare and consumer sources (HL7, DICOM, IoT)
- Store patient reported outcomes and other clinical trial data centrally
- Share data and electronic records among healthcare organizations, pharmaceutical companies, contract research organizations (CROs), patients, and professionals
- Ingest, process, and visualize analysis of data and use the compute environment to run algorithms, machine learning, and real world evidence (RWE) analysis
- Provide an audit trail on data elements
- Provide for privacy, security, and healthcare regulatory requirements

Underlying Philips HSDP is a breadth of AWS services including Amazon EC2, Amazon S3, Amazon DynamoDB, Amazon RDS, AWS IoT Core, Amazon CloudWatch, and Amazon SNS.

HSDP and AWS enhance clinical trials

Philips HSDP, built on AWS, allows pharmaceutical companies and CROs to:

- Use IoT and the integration of patient-reported outcomes and other relevant data sources in clinical trials
- Ingest, process, and visualize analysis of clinical data
- Provide for privacy, security, and healthcare regulatory requirements

[Get more information at hsdp.io >](https://hsdp.io)