



Public
Cloud
Group

Public Cloud Group.

Your cloud journey, simplified.



PCG - Overview.

We are a **cloud first company** with a strong technical vision and cutting-edge solution approach to customer needs, focused on building and managing scalable workloads utilizing cloud services.

We have the highest partnership status with the three relevant hyperscalers. Our **proven methodologies** and team of **certified experts** ensure that our customers' **cloud journey** is efficient, secure, compliant, following best practices, helping them grow and achieve their business goals.

Aside from providing cloud consulting services, we provide packaged **monthly and one-off services with transparent pricing.**



Formed 2021



400+ Employees



SMB & Enterprise
Clients



Seven countries



PCG – AWS Premier Partner

Through our expertise and partnership with AWS, we've helped organisations grow and reach their business goals using the cloud, wherever they are in their cloud journey by actively participating in programs, competencies and training available only to AWS partners and integrating that into our service offering. The Premier tier partnership is the highest partnership status with AWS.



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AWS Competencies

6

Partner Programs

250+

AWS Certifications

300+

AWS Customer Launches



Machine Learning and Data Infrastructure for Healthcare Interoperability and Clinical Intelligence

Enabling EHDS Compliance Through Cloud Infrastructure

European Health Data Space

March '25: EHDS published



March '25: Enters into force



March '27: Commission adopts implementing acts



March '29: Primary use operational



March '29: Secondary use begins for EHR data



March '31: Medical images, lab results, discharge reports operational



March '31: Genomic data enters secondary use



March '34: Third countries can apply for secondary use access

EHDS Technical & Compliance Requirements

- **Mandatory Technical Standards:**
 - EHR systems require certification for EHDS compliance
 - FHIR-based interoperability mandatory for cross-border exchange
 - Processing only in secure environments
 - Pseudonymized data accessible when anonymization insufficient
- **Data Governance Requirements:**
 - Secure data access bodies for secondary use permits
 - Transparency requirements for data usage
 - Patient consent management systems
 - Audit trail and logging capabilities
- **Infrastructure Implications:**
 - Cloud-ready architecture essential for scalability
 - Cross-border data exchange capabilities
 - Real-time interoperability protocols
 - Security-by-design implementation

Data Aggregation & Interoperability



AWS HealthLake

FHIR R4 Compliance Foundation

- GDPR-compliant petabyte-scale FHIR R4 data store
- Automatic ontology mapping: ICD-10, SNOMED CT, ATC classification
- SMART on FHIR, Patient Access API, Bulk Data API support
- Meets international interoperability standards and EHDS requirements

Clinical Intelligence: NLP & Documentation



AWS Comprehend Medical

- Entity extraction: medications, conditions, procedures, anatomy
- PHI detection and de-identification support
- Medical coding automation
- Ontology linking: ICD-10, SNOMED CT

AWS HealthScribe

- Clinical documentation automation powered by Bedrock
- Speech-to-text with speaker identification
- Automatic clinical note generation

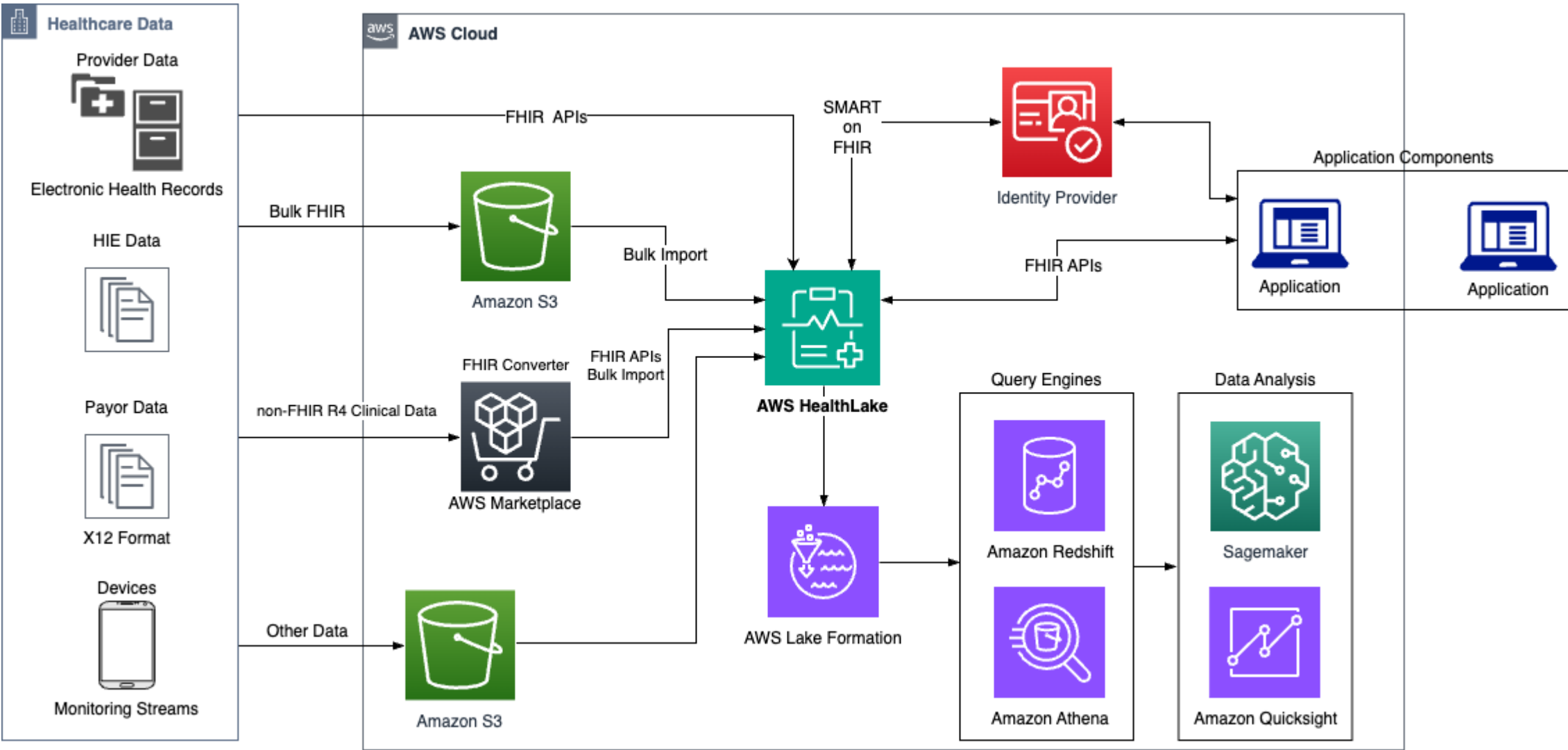
Predictive Analytics & ML Pipeline

Amazon SageMaker

Clinical AI Model Development

- Pre-built Healthcare Algorithms:
 - NLP, OCR, text classification
 - Medical image analysis and anomaly detection
- Clinical Applications:
 - Disease prediction and risk stratification
 - Mortality prediction models
 - Medical imaging diagnostics
- Explainability & Integration:
 - SageMaker Clarify for model explainability in clinical settings
 - Direct integration with HealthLake for predictive analytics
 - SQL analytics via Athena

Example EHDS infrastructure





Why Choose PCG & AWS: Accelerate Your EHDS Journey

- **Eliminate 12-18 months** of infrastructure development with pre-built EHDS compliant architecture
- **From CAPEX to OPEX:** Eliminate hardware and maintenance costs and adopt a pay-as-you-go model
- **Elastic scaling:** Pay only for actual usage, not peak capacity
- **Faster ROI:** Deploy production workloads in weeks, not years
- **166+ GDPR-compliant** AWS services ready for EHDS requirements
- **Certified frameworks** (ISO 27001, SOC 2) reduce audit complexity
- **99.99% availability** SLA with global redundancy
- **Innovation at scale:** Immediate access to latest AI/ML technologies

Start Your EHDS Transformation Today

Thank you!

Contact Us

sales.int@pcg.io



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<https://pcg.io>