

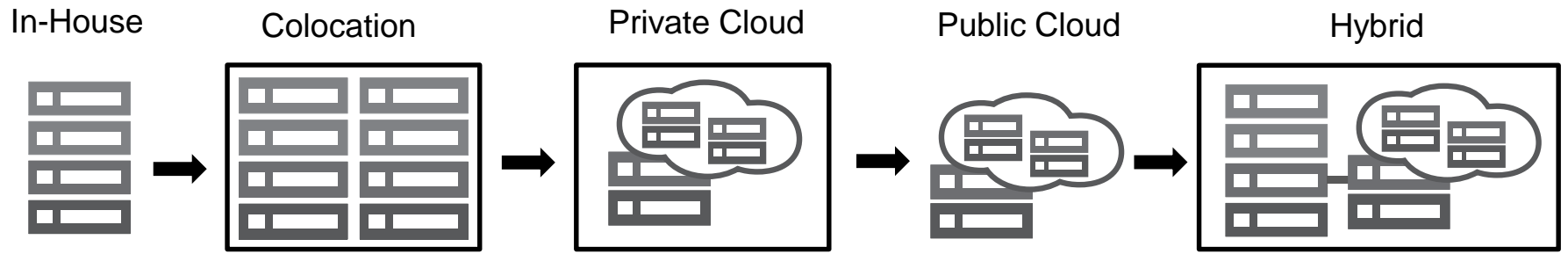
HIPAA in the Cloud

How to Ensure Data Availability, Security and Compliance



Agenda

- Evolution of the Cloud
- Cloud Adoption in Healthcare – Benefits
- Key Concerns for Working w/ Cloud Providers
- OnRamp's HIPAA Compliant Hosting Solutions
- HealthIT Cloud Forecast





BANKING



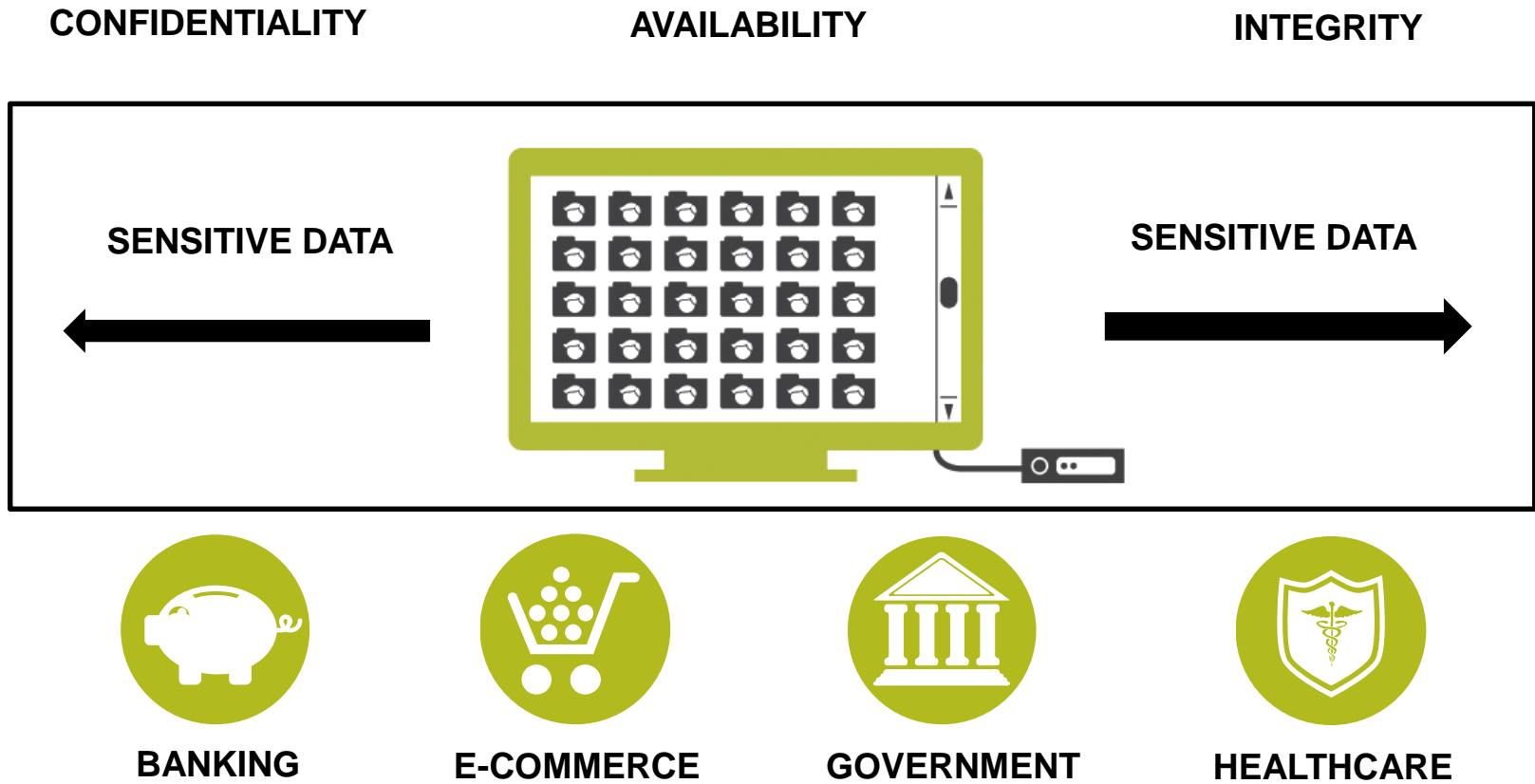
E-COMMERCE

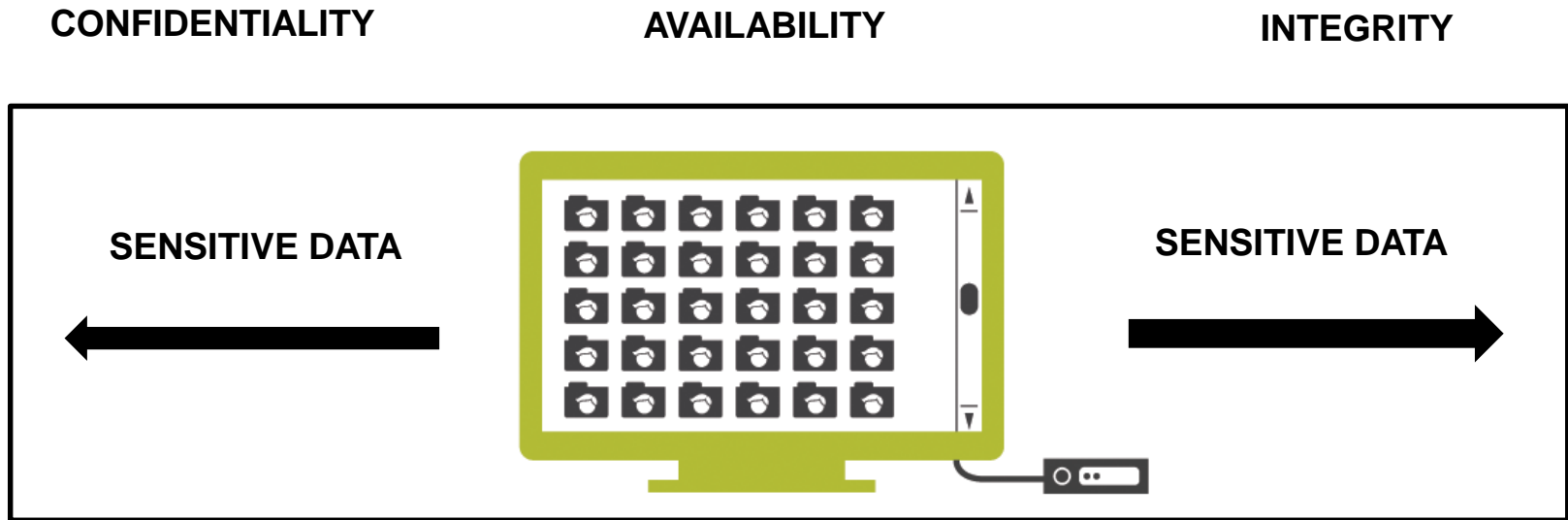


GOVERNMENT



HEALTHCARE





BANKING



E-COMMERCE



GOVERNMENT

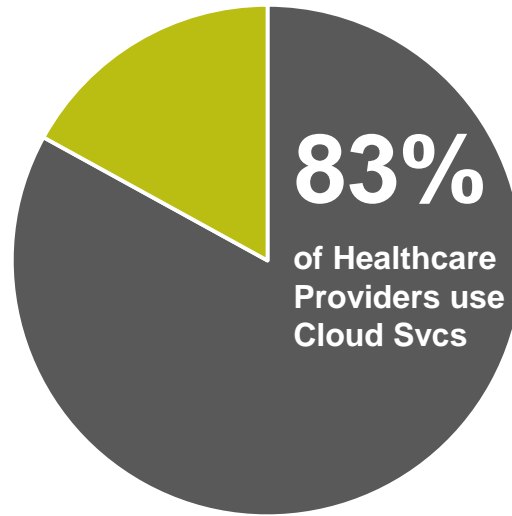


HEALTHCARE



HIPAA in the Cloud *Benefits*

83% of Healthcare Provider Organizations are using Cloud Services w/ SaaS-Based Applications being the most popular (66.9%) and 9.3% plan to adopt cloud services.



Benefits

- **Customizable:** Flexibility to Mix and Match a Solution that Spans Multiple Platforms
- **Scalable:** Ability to Quickly Scale Resources On-Demand
- **On-Demand:** Deploy New Applications and Capabilities Faster
- **Business Continuity/DR:** Benefits for Maintaining High Availability Using Shared SAN Resources
- **Cost Effective:** Integrate Current IT Infrastructure/Equipment with Managed and Dedicated/Shared Cloud Services Minimizes Costly Investments in Hardware

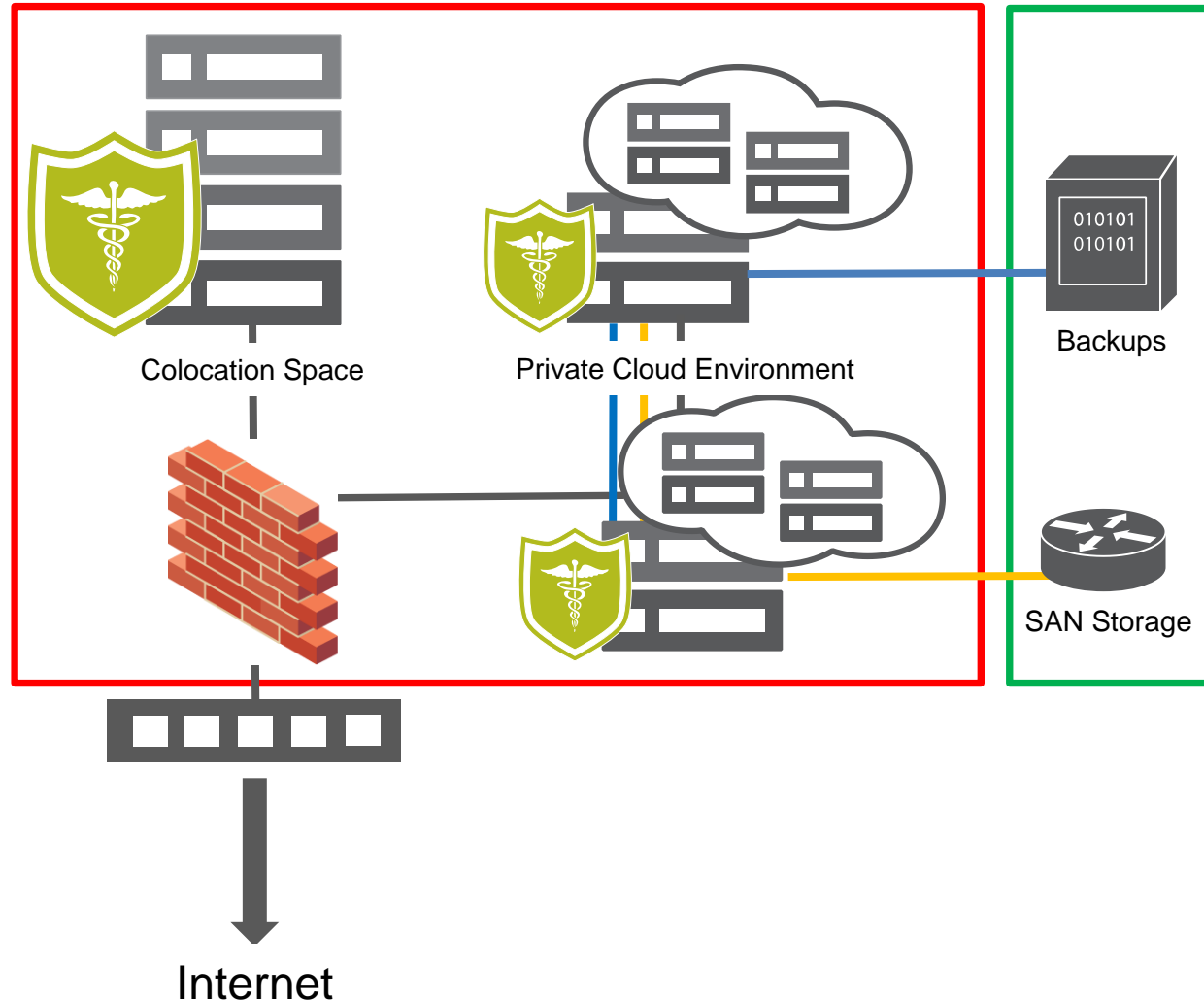
2014 HIMSS Analytics Survey (Healthcare Information Management Systems Society)

While cloud hosting for HealthIT companies offers many benefits, it can present challenges.

HIPAA in the Cloud *Considerations*

- **Business Negotiation:**
 - Business Associates Agreements
 - Indemnification
 - Limitations of Liability
 - Privacy Injury Liability
 - Insurance
- **Compliant Collaboration:** Collaboration between in-house employees and subcontractors requires effective collaboration
- **Auditable / Compliance:** Risks associated with storing electronic protected health information (ePHI) on platforms or within environments that do not have compliant hosting processes, systems and procedures in accordance with stringent compliance requirements governed by HIPAA
- **Media Sanitization:** Ensuring compliance with NIST standards for appropriately rendering storage media unreadable and unrecoverable.
- **Availability/Uptime:** Requires disaster recovery or secondary site
- **Encryption / Network Security**

HIPAA in a Hybrid Environment



3-Step HIPAA Risk Management Process



HIPAA in the Cloud Forecast



FORECAST

PARTLY SUNNY

NEARLY ALL ADOPTERS WILL EXPAND CLOUD SERVICES

AREAS OF EXPANSION



HOSTING OF
ARCHIVED DATA



BACK UP +
DISASTER
RECOVERY



HOSTING OF
OPERATIONAL
APPS + DATA



ONLY 6% WILL NOT ADOPT
CLOUD SERVICES IN THE FUTURE

2014 HIMSS Analytics Survey (Healthcare Information Management Systems Society)