

SƏNS

Powered by **THALES** x Google Cloud

Who are you meeting with today ?



Blaise Vignon

Chief Product Officer, GTM



Current trends reinforce the need for digital sovereignty

Geopolitical tensions

Extraterritoriality of international laws

Increasing regulation (esp. in Europe) & emergence of European preference

Increasing importance of digital, notably with AI

Acceleration of innovation

Increase in cyberattacks

Fundamentals of a unique partnership

THALES

Google Cloud

Bilateral coherence, Strategic engagement, Technological ambition

Getting the most out of
sensitive data,

increasing performance
and transformation
capacity

Reduce development and
operating costs

within a framework of
increased security
requirements

Increase hybridization
capabilities

with the required level
of control

Protecting data
& its sovereignty

in the Cloud and
contributing to a future
of trust

Concerns about sensitive data are holding organisations back

01

Uncertainty arising from shifting laws and global geopolitical dynamics

02

Achieving compliance, a resource-intensive yet non-negotiable requirement

03

Desire for greater control over data, operations and infrastructure





SecNumCloud: a multilayered framework against foreign interference



We navigated the intricacies of the SecNumCloud qualification



276

Requirements divided into 15 chapters

3

Main **categories** : Operations, Technology, Legal



ANSSI developed recommendations for Cloud hosting

- ✓ Sensitive IS relevant to the “Cloud au Centre” doctrine of the French Government
only authorized in SecNumCloud qualified Clouds
- ✓ Recommended for Vital Importance Operator (OIV) and Essential Services Operator (OSE) sensitive IS
- ✓ Possible to host a Vital Importance IS (SIIV) subject to a reasoned risk analysis
- ✓ Possible to host a Restricted Diffusion IS (SIDR), by demonstrating that the solution is protected at the appropriate level



French company fully controlled by Thales

2 pillars for independence from extraterritorial laws

Shareholding

Thales is a **very large majority shareholder**

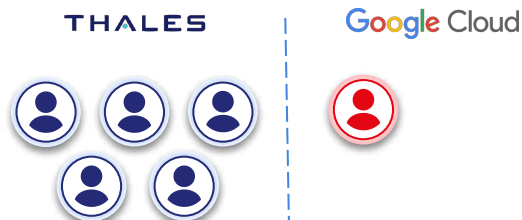


Governance

S3NS is **fully controlled by Thales**



Google Cloud has an observer seat on the **BofD***, without voting rights



* BofD : Board of Directors

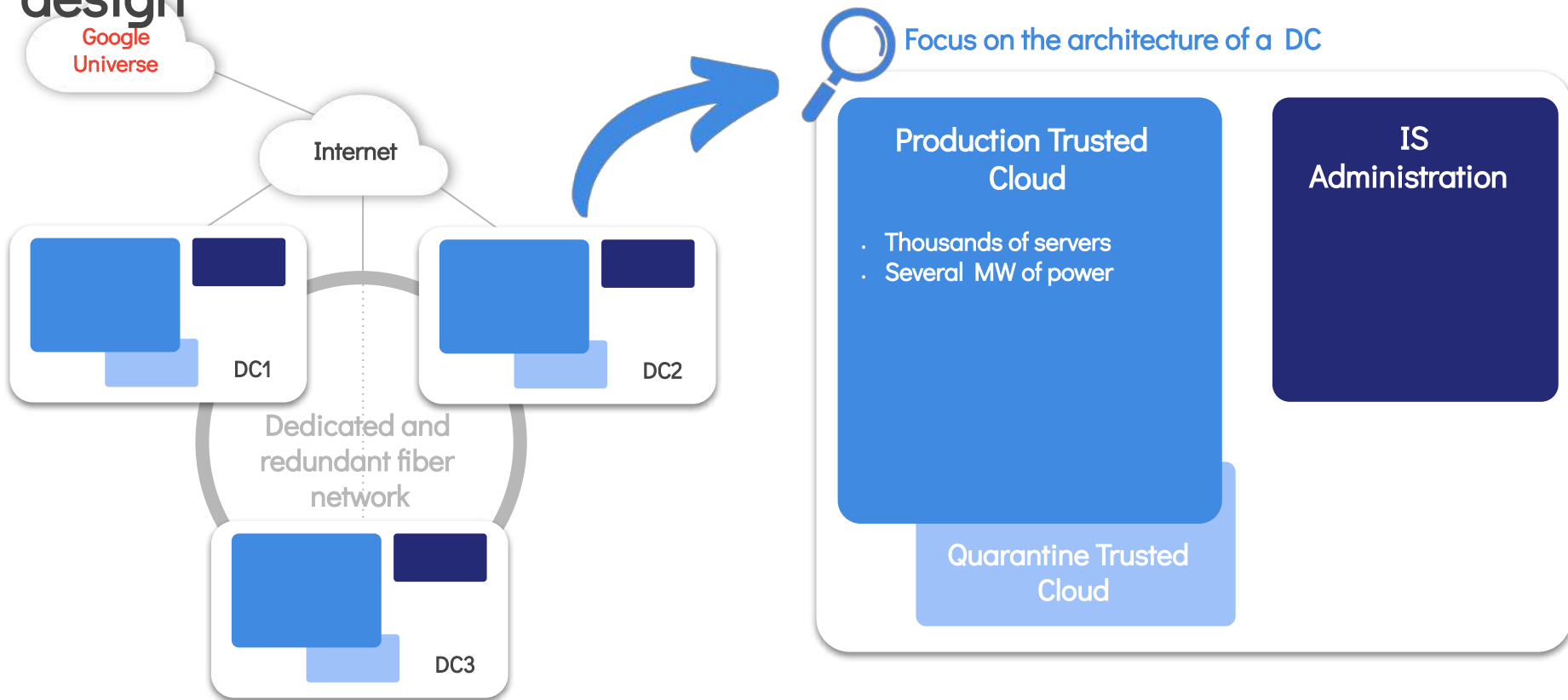
Google has **no control** over S3NS operations



We replicate the Google Cloud experience



Our physical infrastructure is resilient and secure by design



Separation of Duties and Protection Against Potential Internal

Malice

Key Strategies for Mitigation:

Differentiate Teams: Separate teams for setting security rules, operating the systems, and verifying compliance (SOC).

Separate Admin Perimeters: Divide administration perimeters by technical scope.
Enhance Admin Activity Monitoring.

Prevent Unilateral Sensitive Actions by a single admin

Prevent Admin Access to Customer Data

Admin Activity Monitoring Requirements:

Connection Chain: No single team manages the entire connection chain (admin workstation, VPN, IDP, remote attestation, bastions, target systems). An abnormal action must be identifiable on at least 2 links.

Log Management: No single team can disable or delete logs. S3NS uses 2 SIEMs (1 internal, 1 external PDIS qualified by ANSSI). Disabling a log source must generate an alert.

Multi-Party Approval (MPA) in GCP for SREs

Supply Chain Security at S3NS

Two S3NS Perimeters

1. Admin IS (Information System - Mostly Open Source):

Automated security checks with Scorecard (vulnerabilities, maintenance, Branch Protection, SAST, code review, signed releases, etc.).

2. Cloud Infrastructure (GCP Technology):

Use of a Quarantine Cloud Region for updates provided by Google.

Cloud Update Analysis Process

- The update is first installed in quarantine where S3NS performs:
 - A system and network behavior analysis (simulated representative client deployments)
 - An automatic binary analysis (searches for prohibited characteristics, e.g., obfuscated code).
 - A manual binary analysis (on samples).
- When all controls are successful, S3NS authorizes its deployment in client production.

Source code Transparency & Inspection

S3NS operates its own Cloud infrastructure, powered by GCP technology

As a key security measure, Google shares the GCP source code with S3NS, representing a unique and major transparency effort from a private player.

3 axes of Source Code Analysis:

- **Security Function Verification:**
 - Check the correct implementation of security-critical functions (virtualization, sandboxing, encryption, network filtering).
- **Automated Software Inspectability:**
 - Goal: Source code access enables S3NS to create faster and more accurate automated analysis tools.
- **Anomaly Investigation:**
 - Use Case: If automated analysis identifies a potentially abnormal behavior, the source code is a crucial investigation tool for efficient doubt resolution.

We are ready to serve enterprises and the public sector

01. The Trusted Cloud represents a **significant market opportunity** , in both **France** and **Europe**
02. **S3NS** is the **first European hyperscaler** , leveraging both **Google Cloud technology** and **Thales' expertise**
03. **S3NS** is spearheading this effort :
 - The **broadest service portfolio** among **all SecNumCloud** qualified (or soon-to-be qualified) offers
 - **SecNumCloud** qualified the 17th December 2025 and GA since mid-October

Third-Party Support Management

- S3NS performs all operations.
 - Support from Google Cloud to S3NS is strictly managed in two ways:
 - **Upstream Metric Filtering** : S3NS defines ultra-granular filtering policies for shared metrics. This ensures no client data is exposed, only information strictly necessary for infrastructure health and function.
 - **During an Intervention** (Read-Only Access):
 - A bastion allows an S3NS Site Reliability Engineer (SRE) to share only a read-only view with the Google SRE.
 - The Google SRE can guide, but has no action capability.
 - Only technical information regarding the infrastructure's Control Plane is shared.
- Crucially, S3NS SREs also do not have access to client data, which is the best way to ensure it cannot be leaked to a third party, including Google.

Premi3ns by S3NS calendar



Physical installation Software Dev. Training Handoff



Do not share - Communicate under NDA

What services are on PREMI3NS



Products unavailable pending release and certification

Compute	Networking	Management Tools
Compute Engine	Cloud DNS	Cloud SDK
Cloud GPUs	Cloud Interconnect	Cloud IAM
Storage	Cloud Load Balancing	Cloud Armor
Cloud Storage	Cloud NAT	Premium Network Tier
Data Analytics	Private Service Connect	Cloud Firewall Rules
BigQuery Edition Enterprise	Cloud Router	Service Directory
Pub/Sub		
Operations		
Cloud Monitoring		
Cloud Logging		

[Available Services](#)

Security	Containers	
Secret Manager	Cloud Run	
Admin Access Transparency	Cloud Build	
Identity Aware Proxy	<th>Databases</th>	Databases
	Cloud Spanner	
<th>Storage</th>	Storage	Cloud Bigtable
Storage Transfer Service	<th>Data Analytics</th>	Data Analytics
Filestore	Dataproc	
<th>Operations</th>	Operations	Cloud Composer
Cloud Asset Inventory	<th>Networking</th>	Networking
<th>Compute</th>	Compute	Partner Interconnect
Confidential VMs		