

Temporal as the all-in-one IT Operation Workflow Platform

Adrien Pestel – CTO Claranet France

claranet

Make
modern
happen®

Me, Myself and I



Co-Founder Morea – AWS PurePlayer
> Sold to Claranet in 2016
Board member Brainboard
CTO Claranet France

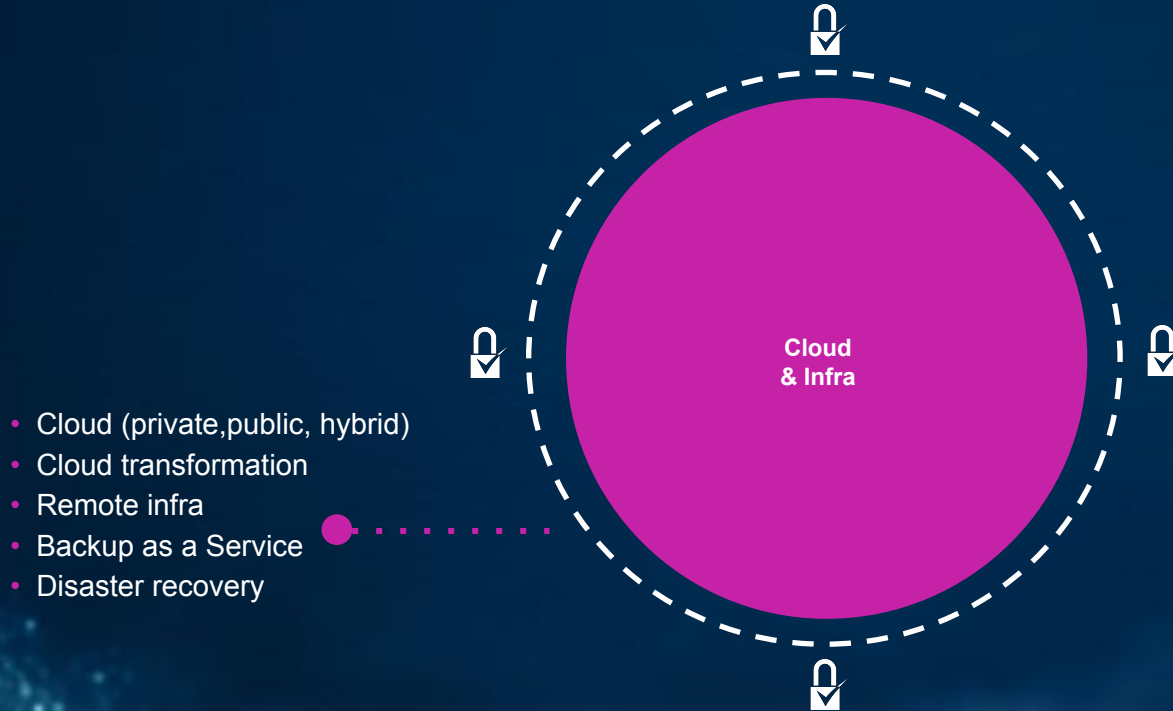
Cloud

Automation

Performance

claranet[®]

Cloud-led modernisation services



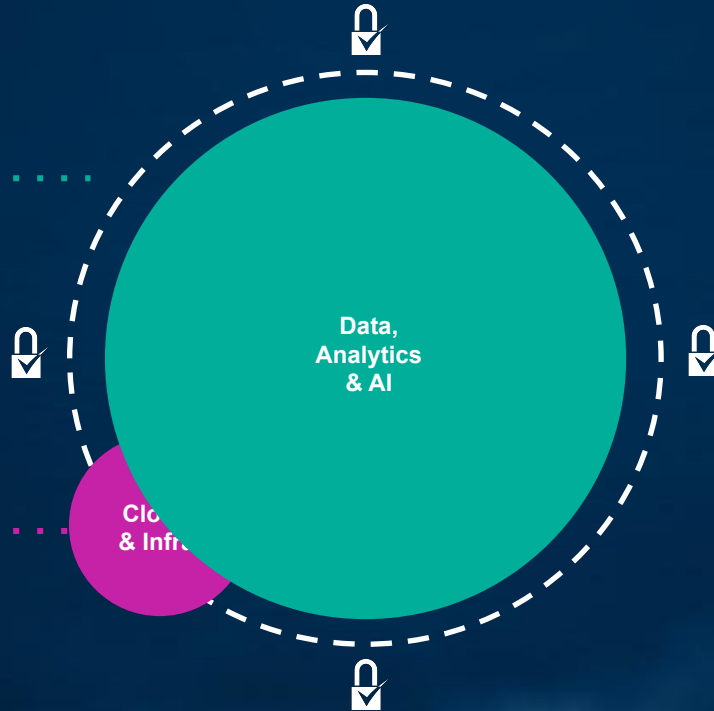
Security: Offensive Security - Security assessment- Web Protection- Managed Security Services- Managed SOC- EDR & XDR- Security Training

Compliance: RGPD, HDS, PCI-DSS, HIPAA, ITIL, ISO27001/27701

Cloud-led modernisation services

- Data governance
- Data & advanced analytics platform
- Data analytics
- IA & Machine Learning
- Data optimisation

- Cloud (private, public, hybrid)
- Cloud transformation
- Remote infra
- Backup as a Service
- Disaster recovery



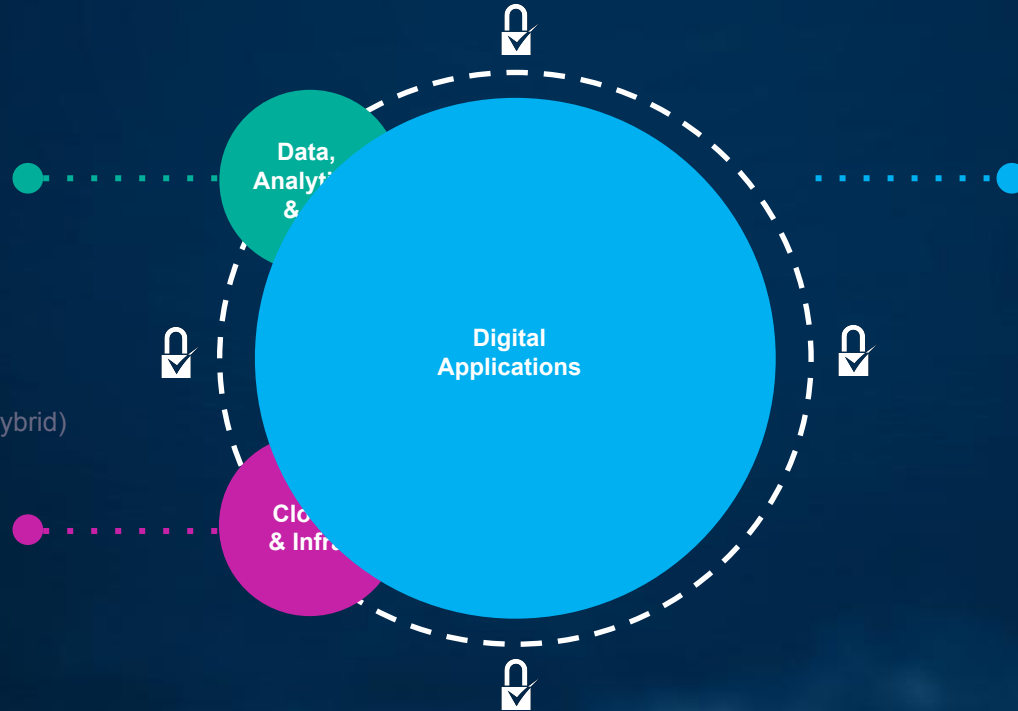
Security: Offensive Security - Security assessment- Web Protection- Managed Security Services- Managed SOC- EDR & XDR- Security Training

Compliance: RGPD, HDS, PCI-DSS, HIPAA, ITIL, ISO27001/27701

Cloud-led modernisation services

- Data governance
- Data & advanced analytics platform
- Data analytics
- IA & Machine Learning
- Data optimisation

- Cloud (private, public, hybrid)
- Cloud transformation
- Remote infra
- Backup as a Service
- Disaster recovery

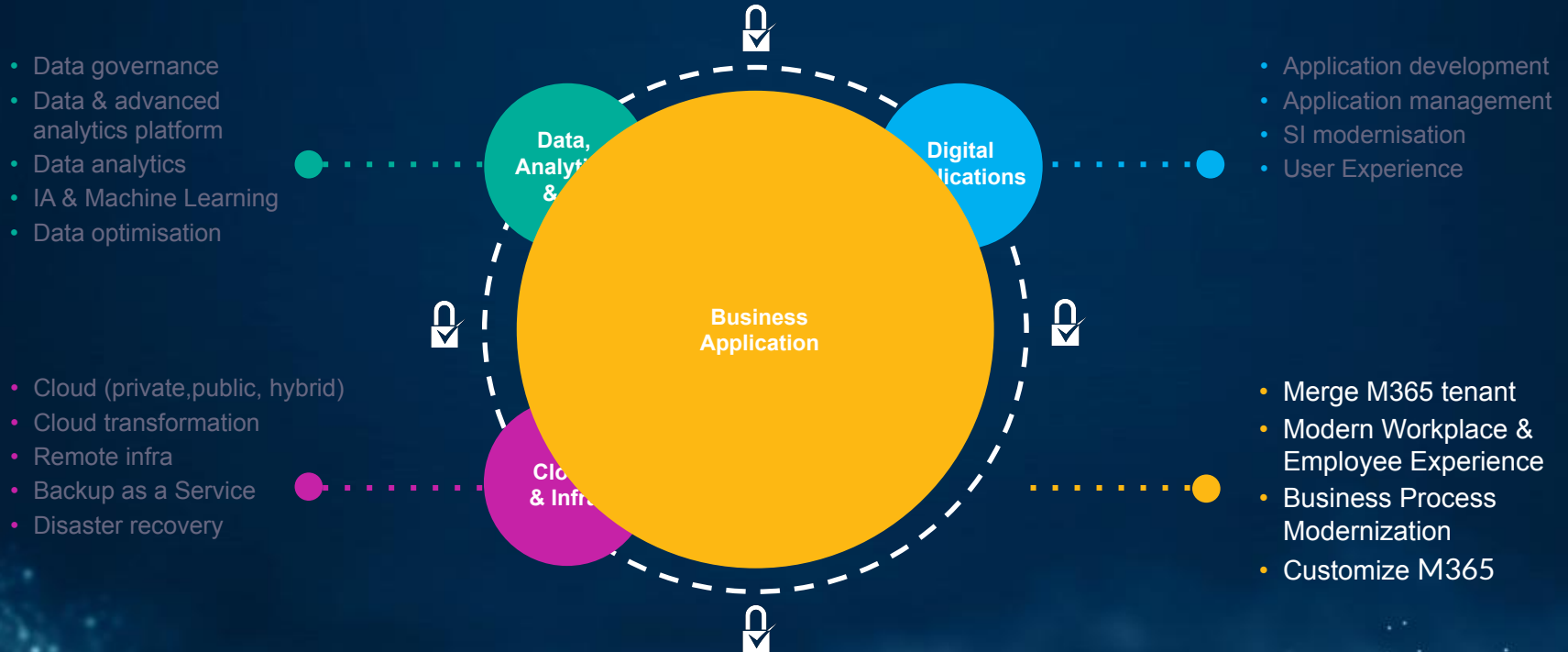


- Application development
- Application management
- SI modernisation
- User Experience

Security: Offensive Security - Security assessment- Web Protection- Managed Security Services- Managed SOC- EDR & XDR- Security Training

Compliance: RGPD, HDS, PCI-DSS, HIPAA, ITIL, ISO27001/27701

Cloud-led modernisation services



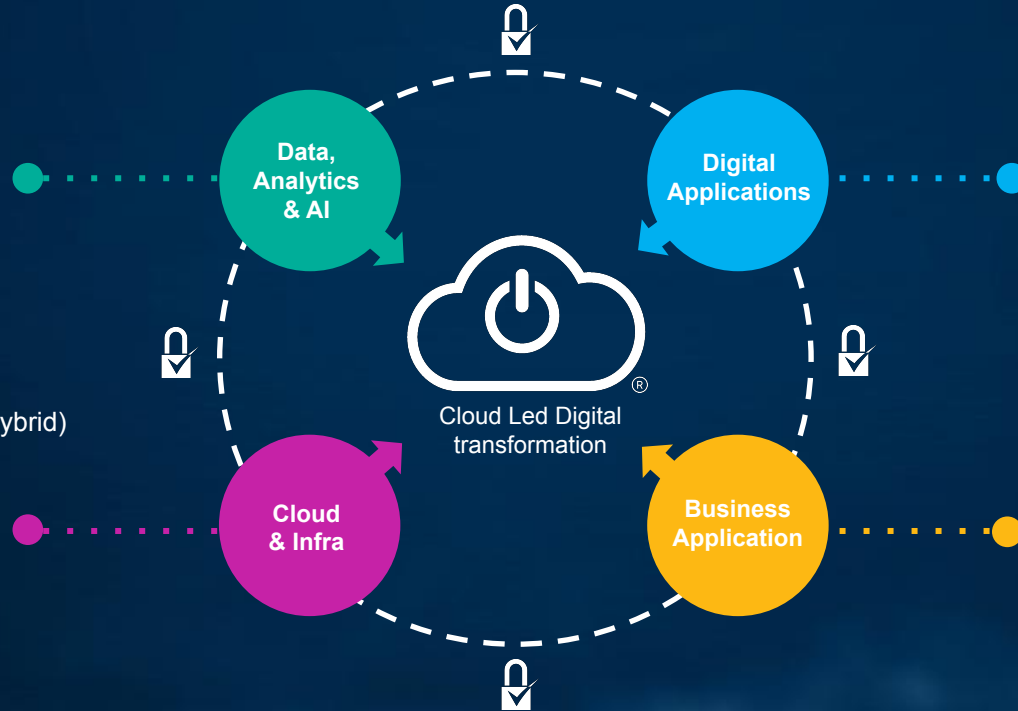
Security: Offensive Security - Security assessment- Web Protection- Managed Security Services- Managed SOC- EDR & XDR- Security Training

Compliance: RGPD, HDS, PCI-DSS, HIPAA, ITIL, ISO27001/27701

Cloud-led modernisation services

- Data governance
- Data & advanced analytics platform
- Data analytics
- IA & Machine Learning
- Data optimisation

- Cloud (private,public, hybrid)
- Cloud transformation
- Remote infra
- Backup as a Service
- Disaster recovery



- Application development
- Application management
- SI modernisation
- User Experience

- Merge M365 tenant
- Modern Workplace & Employee Experience
- Business Process Modernization
- Customize M365

Security: Offensive Security - Security assessment- Web Protection- Managed Security Services- Managed SOC- EDR & XDR- Security Training

Compliance: RGPD, HDS, PCI-DSS, HIPAA, ITIL, ISO27001/27701

Use case #1 Unified Patch Management

claranet

Make
modern
happen[®]





15000+ Servers

Regular Patch
Campaign

Emergency Patch
Campaign
(Ugency CVE release)

Team 1

Team 2

Team 3

Team 4



GitLab



RUNDECK



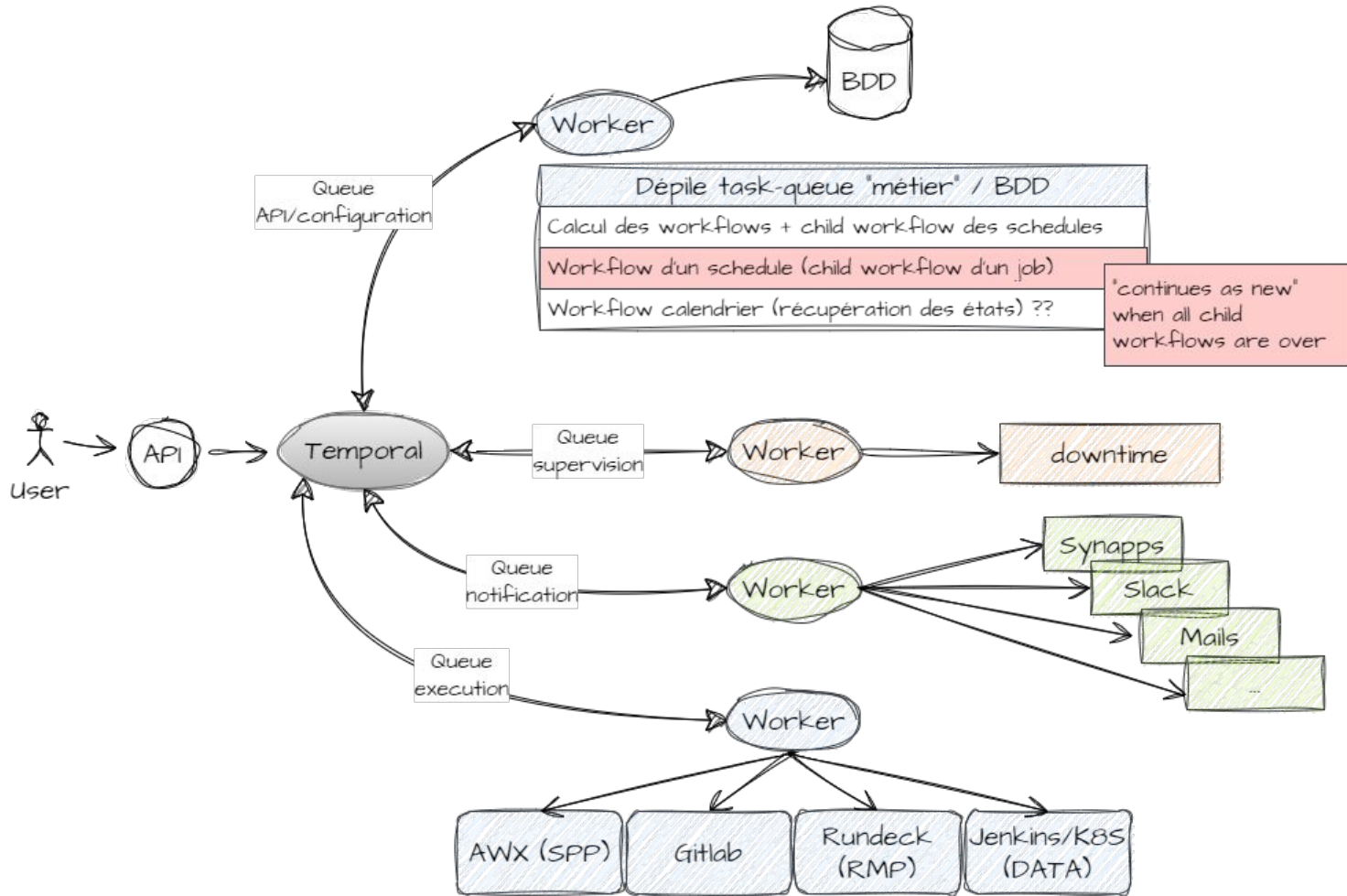
Patch Management
Orchestrator

Team X

Synapps



Patch Management
Orchestrator



Benefits

- **Shift Left: SDM can autonomously manage Patch Management campaign with the same tool**
- **Team mobility**
- **Decoupled architecture**
 - Easy to integrate new system coming from other acquisition
- **Company level aggregated KPI**
 - Number of successful / failed jobs

Use case #2

GDPR

Compliance

claranet

Make
modern
happen®





Fire and Forget

« Pro Tip » Blob Size Limit: **2MB**

Pass ID
S3 / Blob lookup

```
err := workflow.ExecuteActivity(ctx, a.YourActivityDefinition,  
activityParam).Get(ctx, &activityResult)
```

Use case #3

OneCockpit

claranet

Make
modern
happen[®]



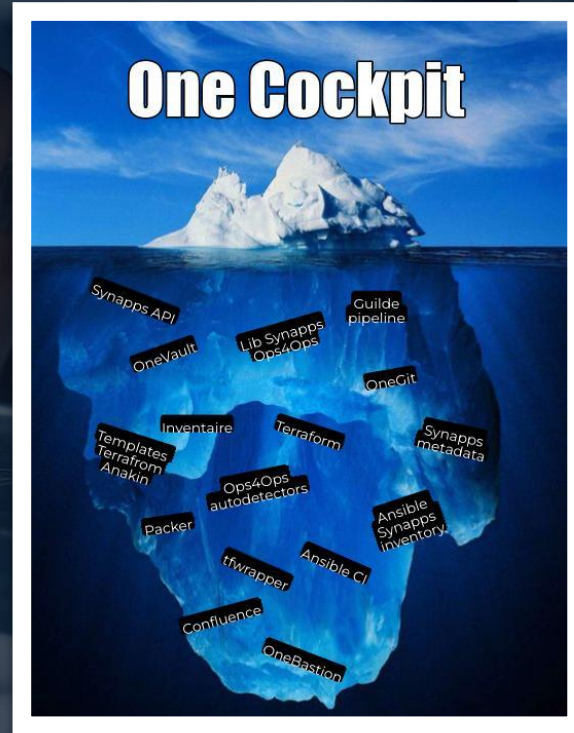
OneCockpit

Unique Entry Point for Build activities

Automated and Standard build tasks in a common Workflow

Merge tools from all transversal teams (Automation, CCoE, Smart Infra...)

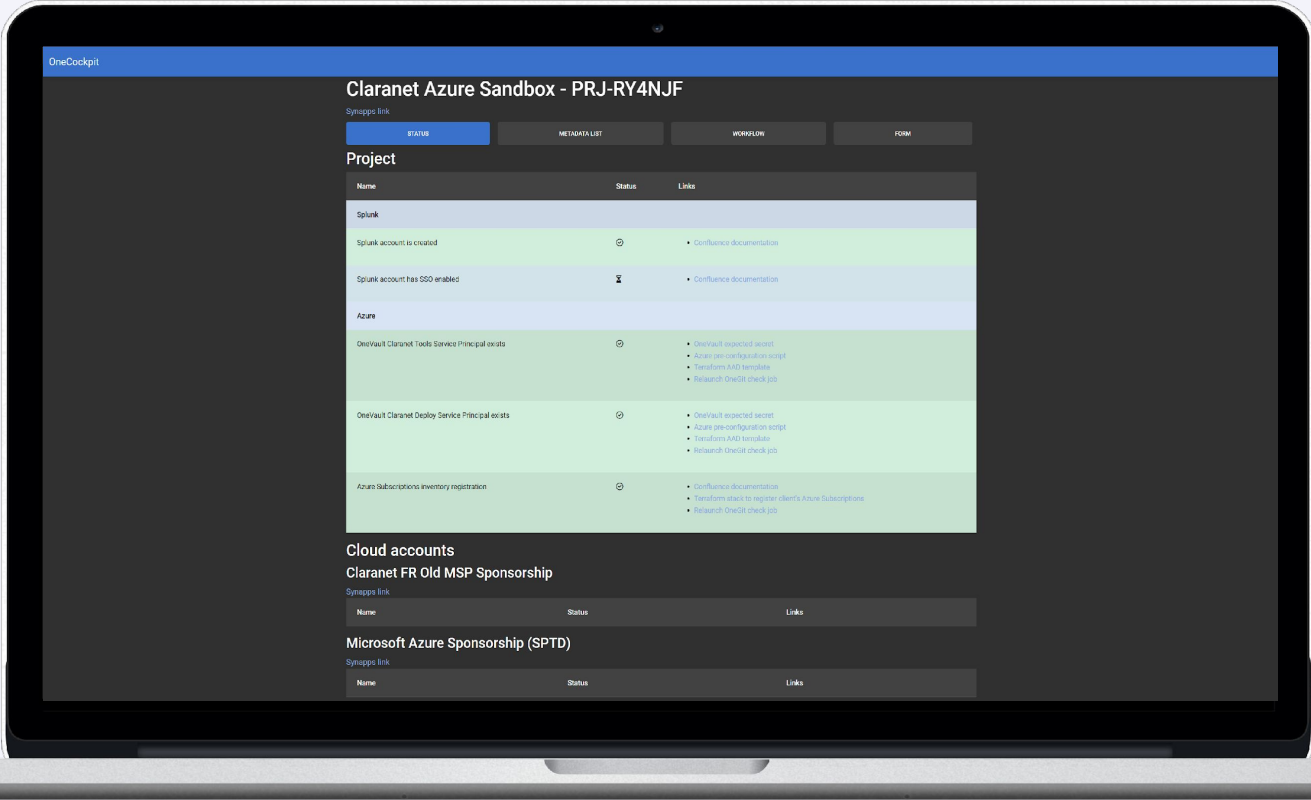
Reliable build which ease the Build2Run



claranet

Make
modern
happen®

Claranet OneCockpit





One Tool *To Rule Them All*

claranet

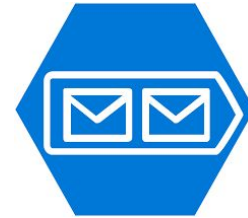
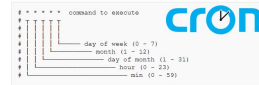
Make
modern
happen[®]



Apache
MESOS[™]



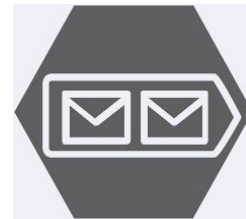
Amazon
SQS



Queuing

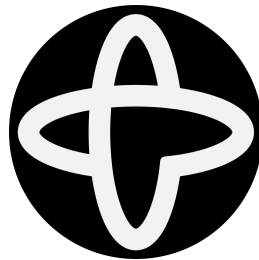
 RabbitMQ

 kafka




Amazon
SQS

All-in-One

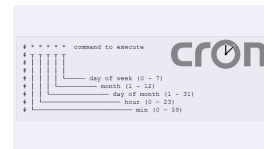


Scheduler



 Apache
MESOS™


OPCON



Temporal: Strengths and Opportunities to improve



Fit multi-Cloud Strategy
Workflow as Code
No Vendor lock-in



Serverless Workers
Workers auto-scaling
Priority (in case of burst)

Temporal: Strengths and Opportunities to improve



**Fit multi-Cloud Strategy
Workflow as Code
No Vendor lock-in**



**Serverless Workers
Workers auto-scaling
Priority (in case of
burst)**

Claranet help customers To modernize their Information System

Design

Build

Run

claranet

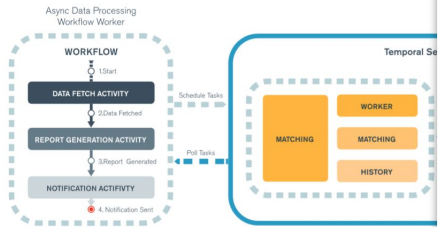
Make modern happen®

Workflow as a code

Ces défis ont conduit à l'émergence de nouvelles solutions d'orchestration des workflows pour révolutionner la manière dont les entreprises gèrent et optimisent leurs processus métier.

Les nouvelles solutions d'orchestration offrent des avantages significatifs par rapport aux solutions historiques. Elles assurent une gestion transparente des états pour une meilleure résilience et reprise automatique des workflows. Elles offrent par ailleurs, grâce à des outils de suivi en temps réel, facilitant l'identification des problèmes.

Ces solutions simplifient le développement, permettant aux développeurs de se concentrer sur la logique métier. Elles facilitent l'intégration avec les systèmes existants grâce à des connecteurs et des API. Enfin, les nouvelles solutions sont hautement évolutives et performantes, tirant parti des technologies modernes pour l'efficacité des workflows complexes et s'adapter aux besoins changeants.

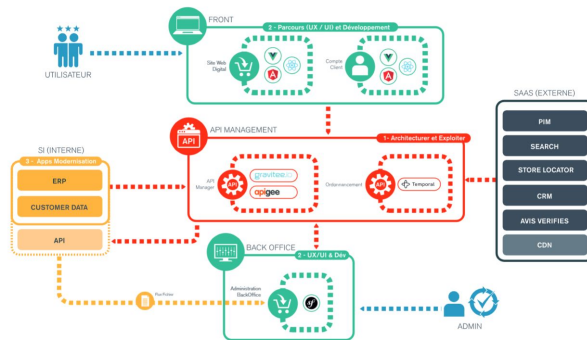


Temporal est un exemple de solution innovante qui aborde les problèmes des solutions historiques et offre une plateforme robuste et évolutive. En adoptant Temporal, les équipes métiers et les développeurs peuvent efficacement pour concevoir, déployer et gérer des workflows complexes, améliorant ainsi la fiabilité, la performance et la maintenabilité des systèmes d'information. Les entreprises peuvent optimiser leurs SI, moderniser progressivement leurs applications et tirer pleinement parti de la transformation numérique.



Repenser le SI à l'heure du cloud

Qu'est-ce qu'un SI agile, adapté à l'approche « best of breed » ?



“ Il existe une nette corrélation entre le niveau de maîtrise des API des entreprises et le nombre de projets numériques que celles-ci peuvent lancer chaque année ”

**Make
modern
happen[®]**