

A new era of thinking.

#BizCoMaroc

Comment mettre en oeuvre une infrastructure agile

Anthony CIROT

Director of Cloud, IBM France



**The new design point,
every system:**

Knows you.
Knows the world.
Never stops learning.

**This demands
Enterprise Hybrid I.T.**

Chronologie technologique

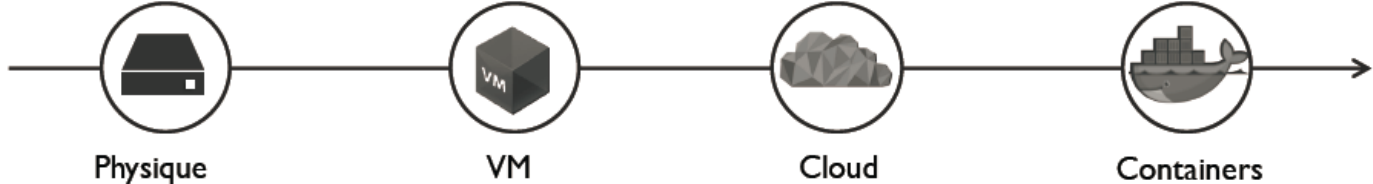
Deployment mode



Applications architecture

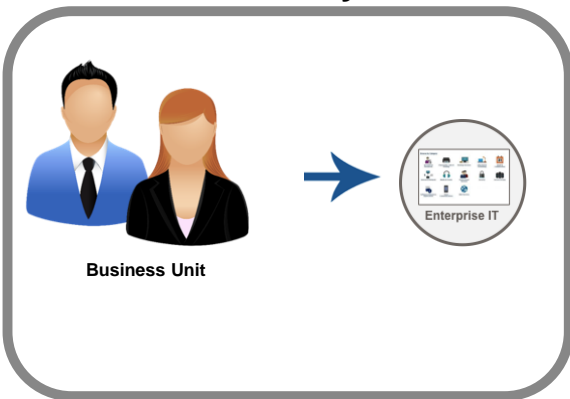


Infrastructure

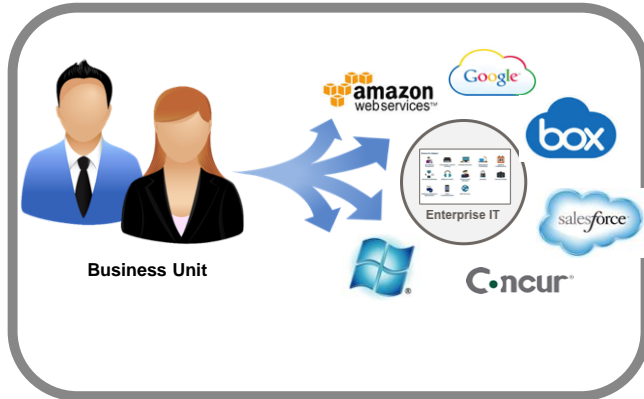


Le dilemme de l'IT : les nouveaux modes de sourcing

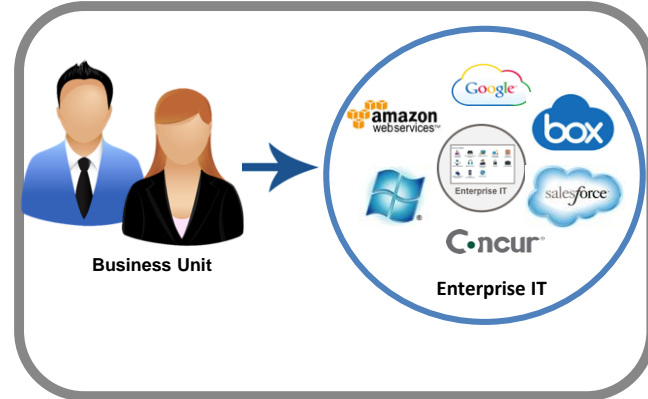
IT is the only service



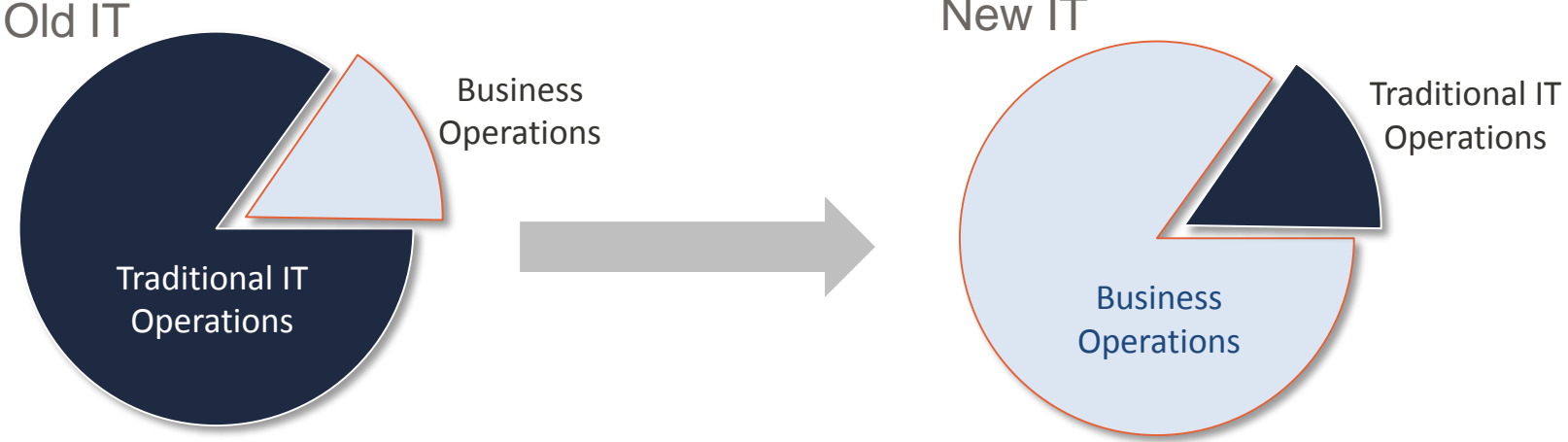
IT is one of many service providers



IT is the broker



Des changements fondamentaux sont nécessaires



Sourcing and provider management

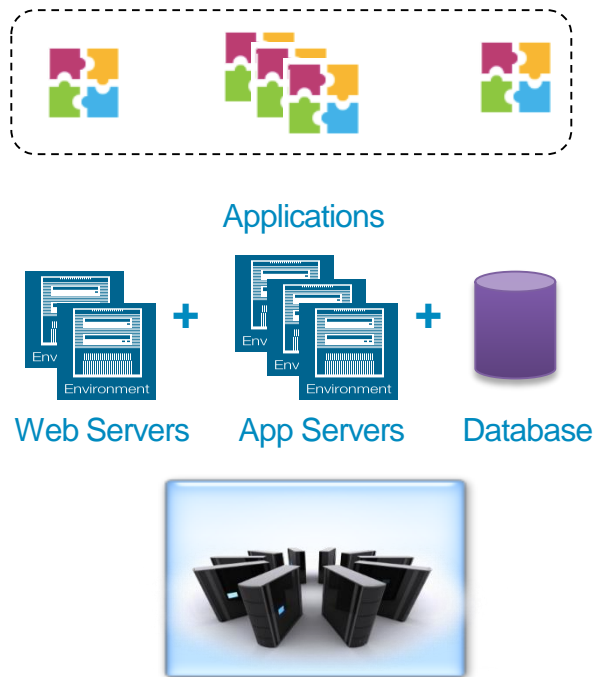
Dynamic pricing and catalog management

Order management across many vendors

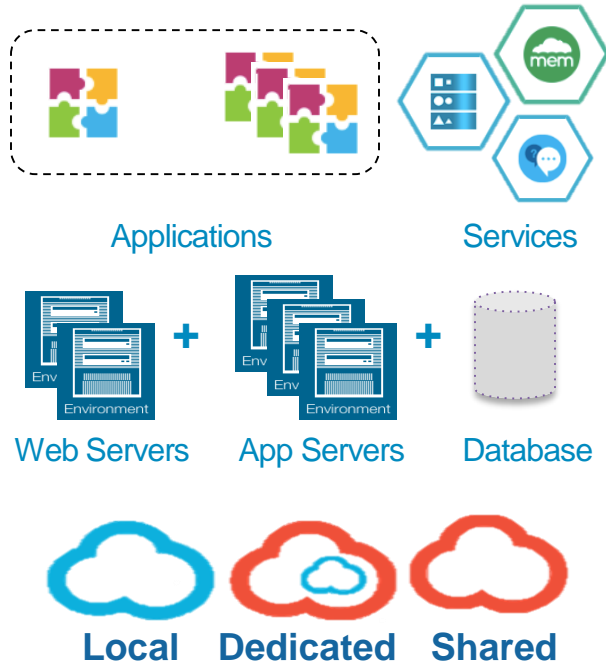
Billing and cost management

Evolution des Workloads

Traditional IT



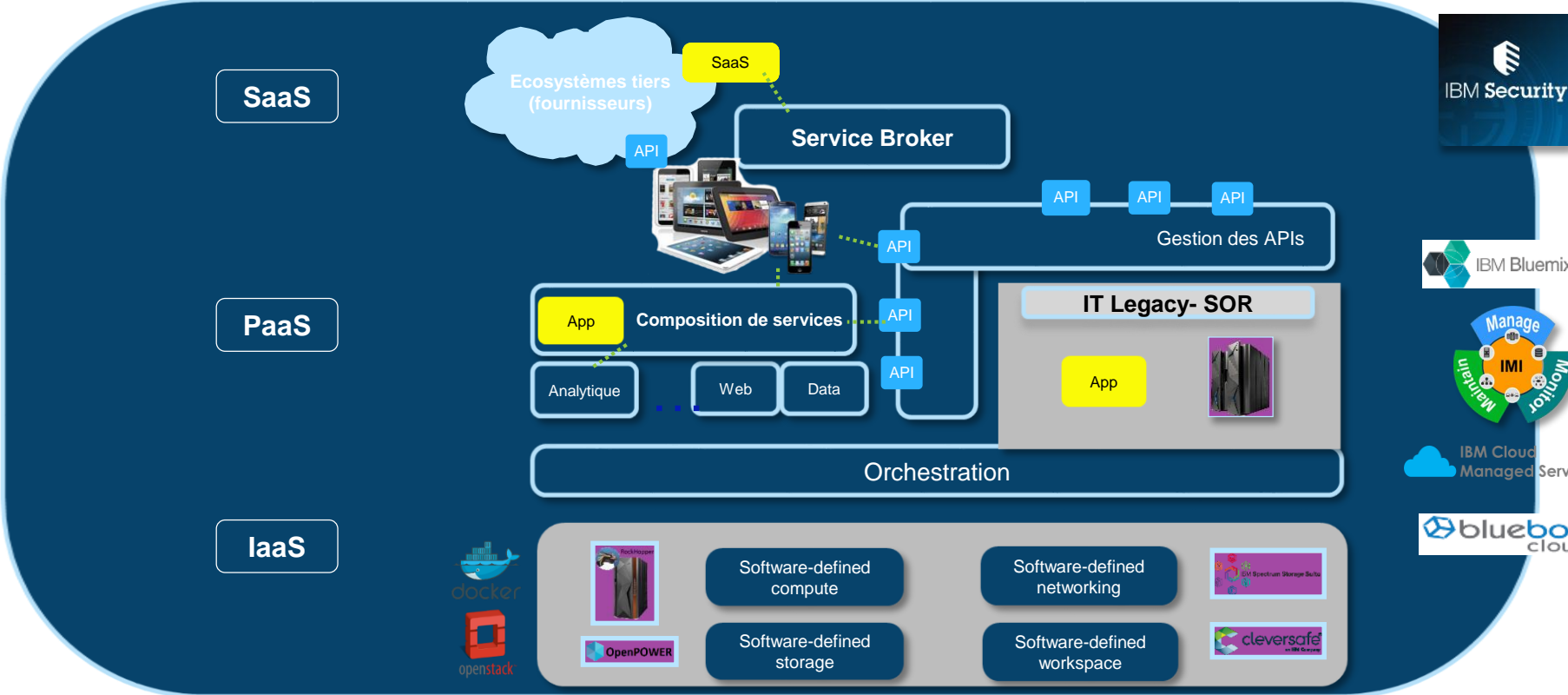
Cloud-Enabled



Cloud-Native

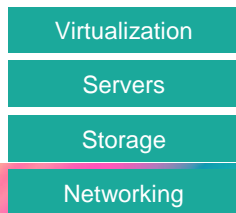


Enterprise Hybrid IT : Architecture de Référence

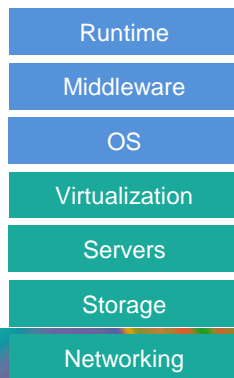


IBM BlueMix : La plateforme ready-to-use Hybrid IT

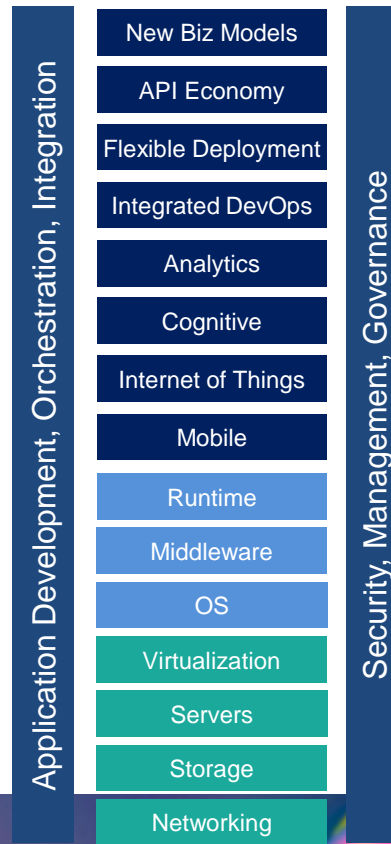
Infrastructure as a Service



Platform as a Service



IBM Bluemix



IBM BlueMix : La plateforme ready-to-use Hybrid IT



Cloud Broker : le Self Service Enterprise IT

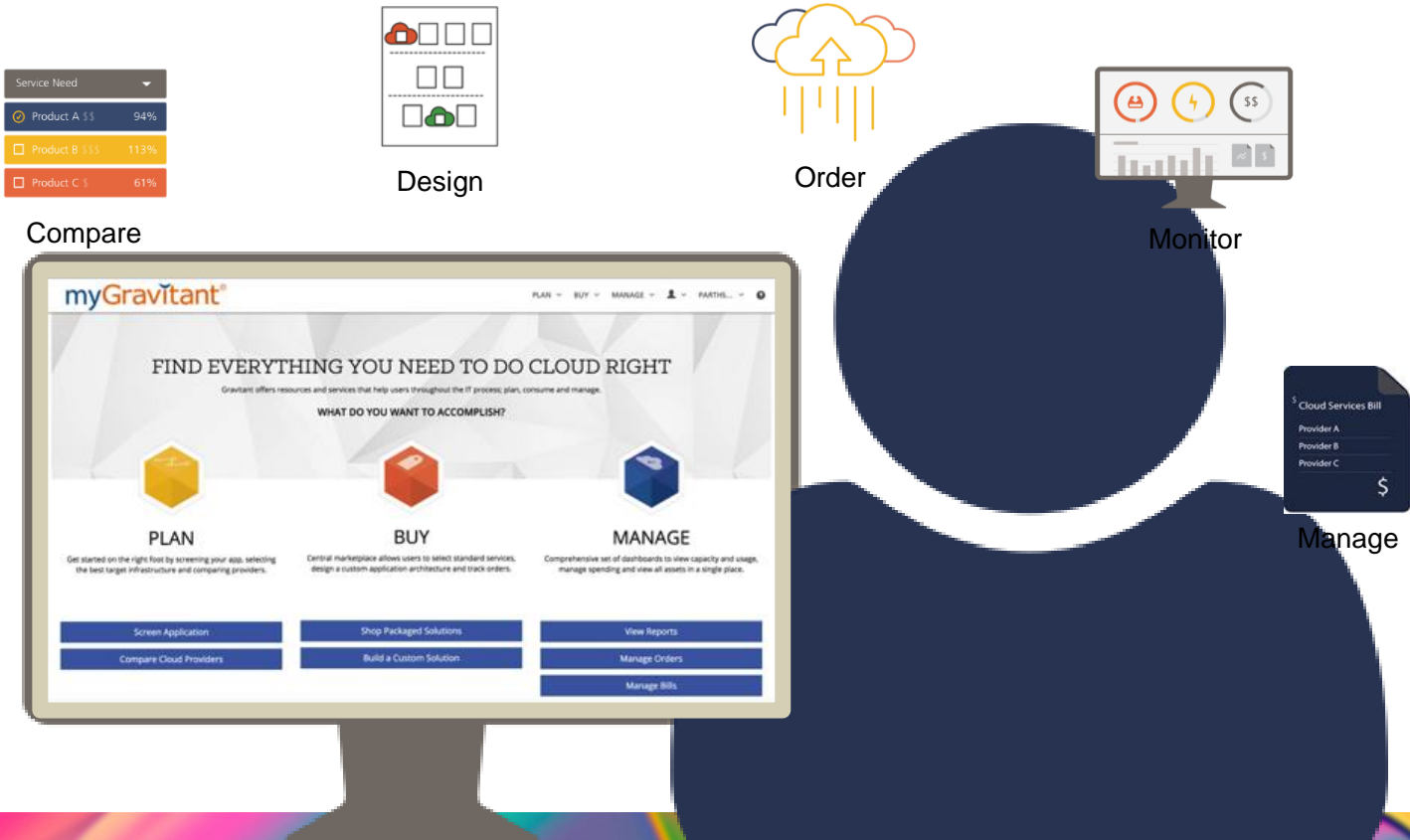











Illustration Broker



Compare Cloud Providers

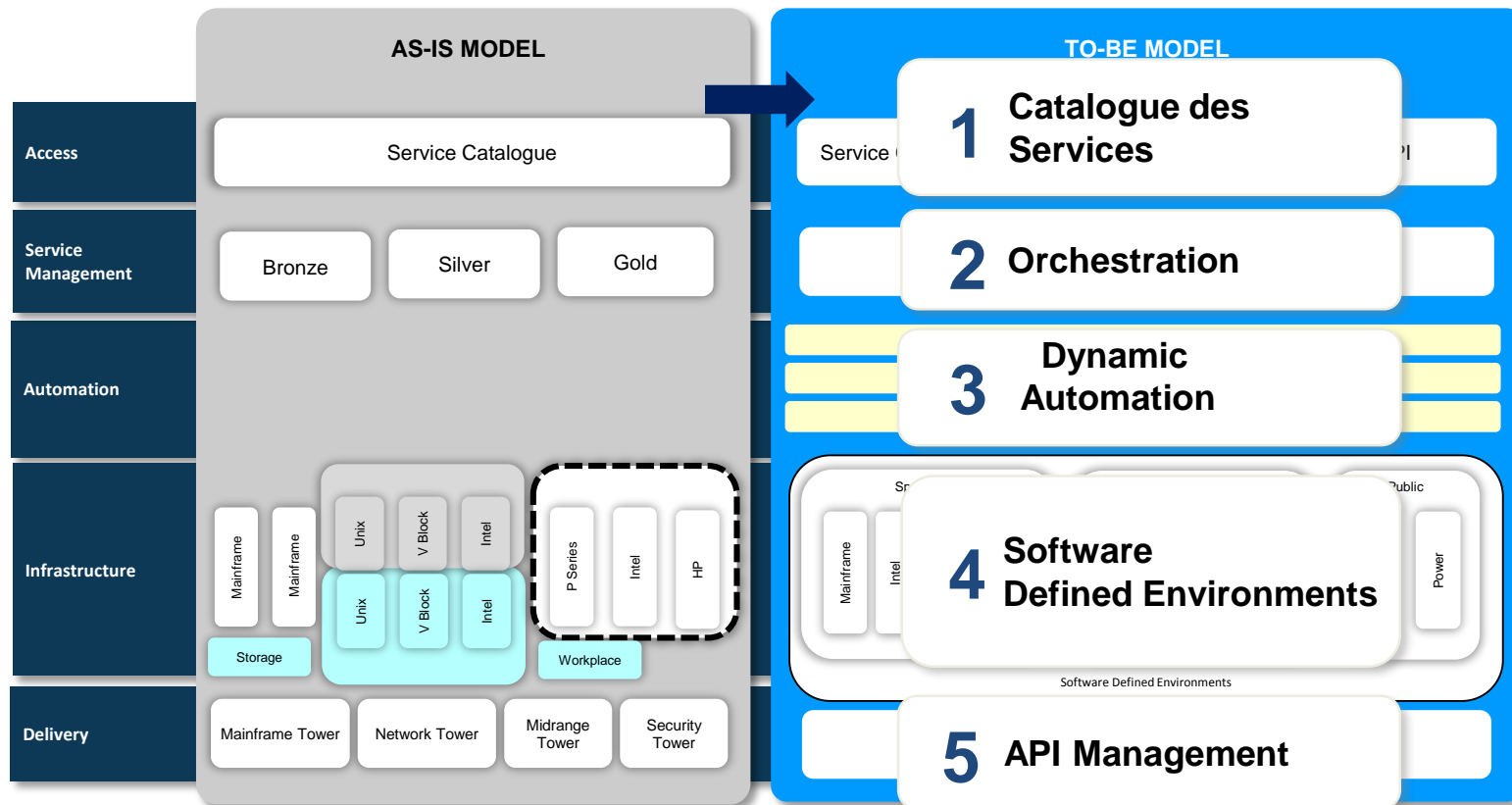
Cloud Provider	Coverage (% of req. capabilities)	Quality of Service	Regional Price Range (Amount spent per month)	
 Amazon Elastic Compute Cloud	 112%	 3.59	Starting at \$1.0K Up to \$2.0K	Select
 Google Compute Engine Cloud	 110%	 4.48	Starting at \$886.8 Up to \$953.8	Select
 Microsoft Azure Cloud	 111%	 2.36	Starting at \$1.4K Up to \$2.1K	Select



0:28



Impact de l'Entreprise Hybrid IT sur les Métiers



L'analytique dans les opérations IT



IT Operations Analytics

Prévention des interruptions de service

Predict

Anticipation des problèmes avant qu'il ne se produisent

Analyse et isolation plus rapide des problèmes

Search

Recherche rapide dans d'énormes masses de données

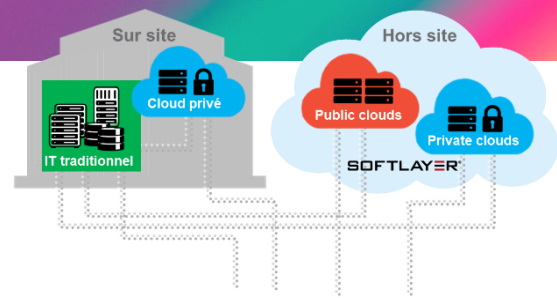
Optimisation de la Performance

Optimize

Seuils de performance définis automatiquement



Les Services Managés IBM



Pick the level of service you need

- Monitoring
- Management
- Reporting or any other service

Pick the components you want

- Basic
- Advanced
- Base or incremental SLA

Cloud Management	Provisioning	Cloud performance & capacity	Image lifecycle management	Metering & chargeback	Base services
	Platform monitoring	Network monitoring	Storage monitoring		
Monitoring	Middleware monitoring	Groupware monitoring	Database monitoring		Services management
					Incident
Management	Advanced pack ²	Advanced pack	Advanced pack	Advanced pack	Problem
	Platform management	Middleware management	Groupware management	Security management	Change
	Advanced pack ²	Advanced pack	Advanced pack	Advanced pack	Reporting
	Network management	Backup management	Database management	Storage management	Standard SLA
Reporting	Call center services	Advanced pack Capacity reporting and management			Premium SLA
					Customer Premise, 3rd party, or IBM hosted environment



Hybrid IT : Comment démarrer ?

1 Envisager

Identifier les intérêts métiers



**WORKSHOP
FOR THE
BUSINESS**

2 Evaluer

Etude de l'existant et Gap analysis



Etude des Workloads Prioritaires



3 Ebaucher

Elaboration de la stratégie d'utilisation du Cloud



Aide à la décision d'architecture

4 Concevoir

Conception de la solution



Gestion opérationnelle de la solution



feedback

feedback

feedback

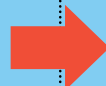


Roadmap initiale



Etats des lieux
Roadmap modifiée

Décisions stratégiques et techniques



Plan de transition

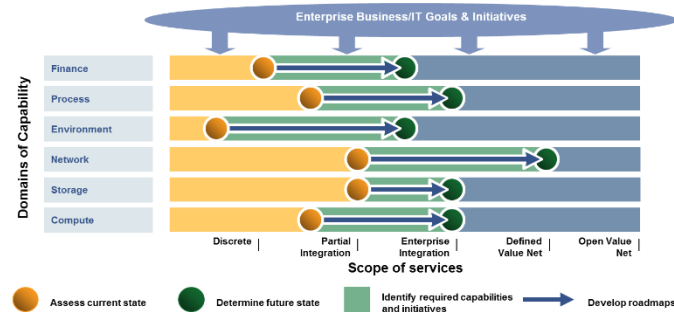
Cas client bancaire : Structuration des ateliers

Atelier 1 : Infrastructure

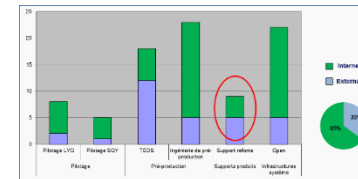
Atelier 2 : Application et gestion de la donnée

Atelier 3 : Service Management, Organisation

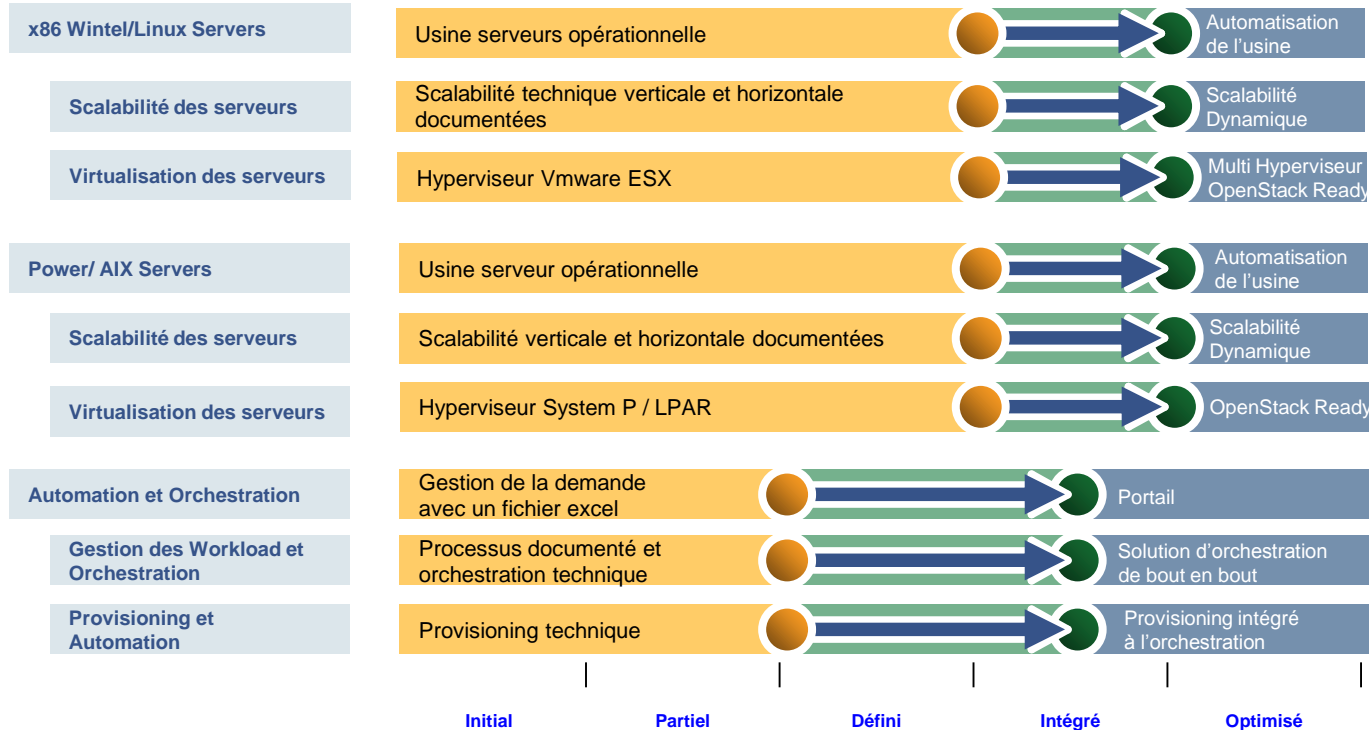
- Analyse des capacités actuelles
- SWOT
- Cadrage de la cible



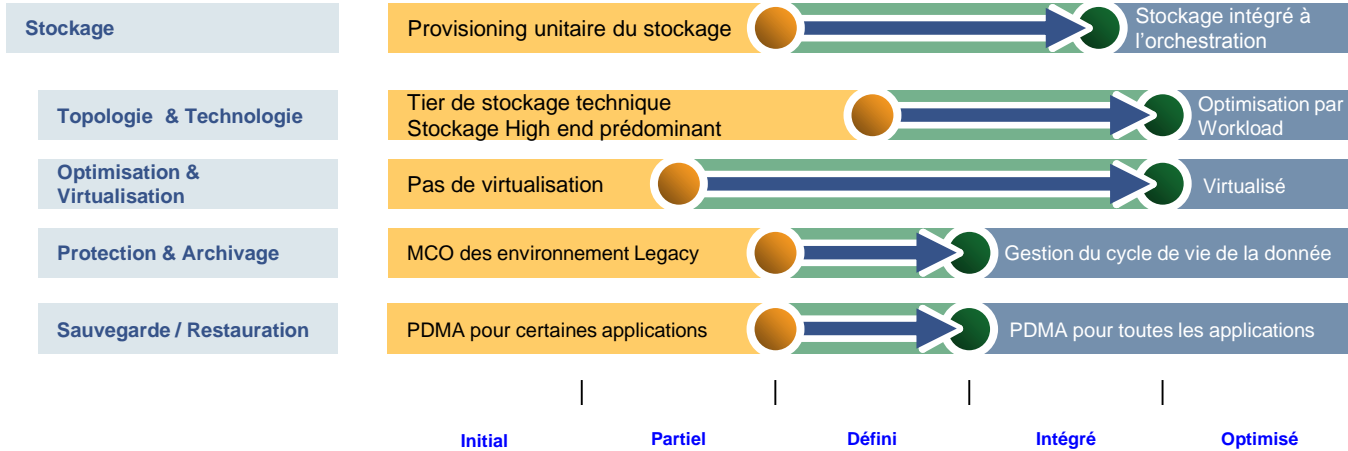
- Analyse quantitative (répartition, inducteurs de charges, ..)



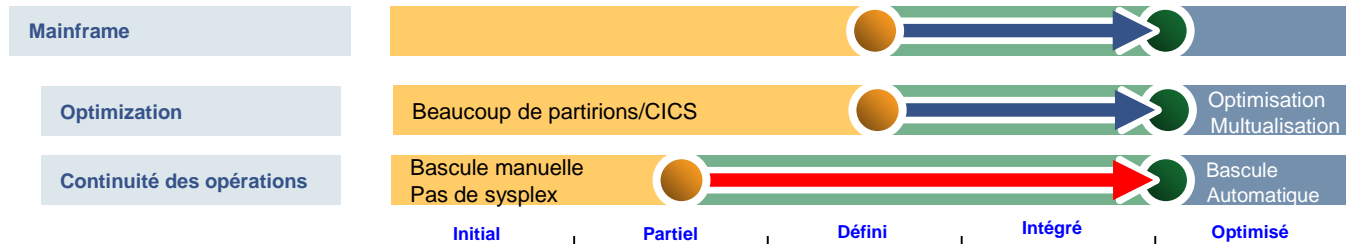
Analyse de l'existant OPEN



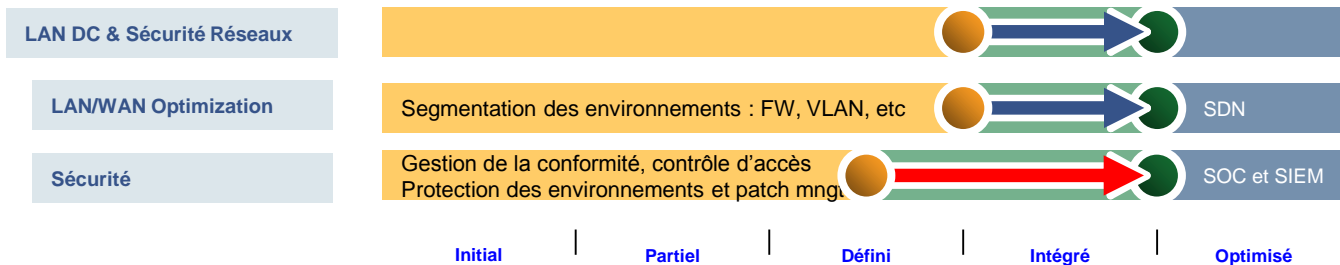
Analyse de l'existant OPEN



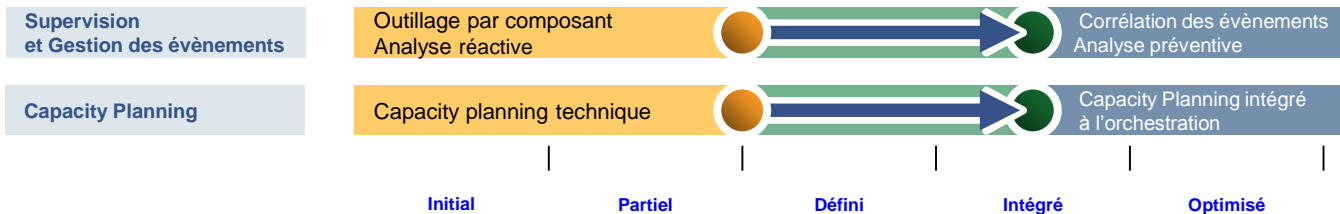
Analyse de l'existant Mainframe



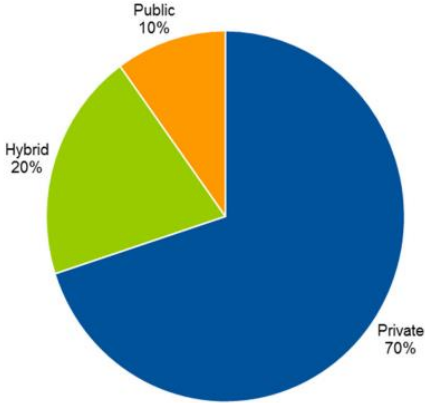
Analyse de l'existant LAN DC et sécurité Réseau



Analyse de l'existant Service Management

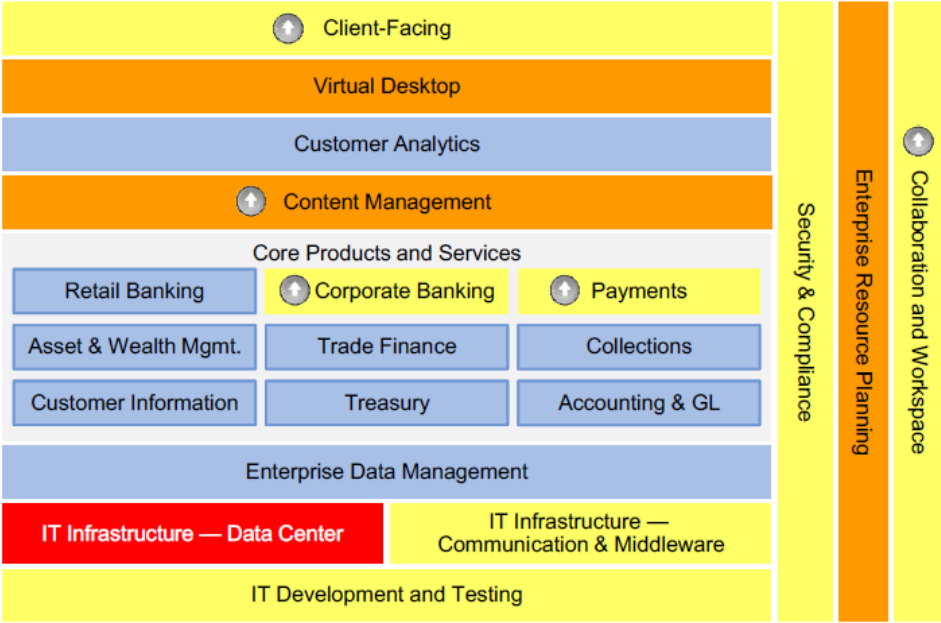


Une majorité des banques sur les déploiements de cloud privé



Initiatives majeures des banques dans le monde par type de Cloud

Heat map 2015



Investment Propensity: Very High (Red), High (Orange), Medium (Yellow), Low (Light Blue). Investment Trends (YoY compare 2013-14 against 2011-12): Increase (Upward arrow icon).

Source: Gartner

An aerial view of a city at sunset. The sun is a large, bright yellow circle in the upper right corner, casting a long, vertical lens flare. The sky is a gradient of orange and yellow. The city below is silhouetted against the bright sky, with many skyscrapers and buildings. In the foreground, there are some large, rounded structures, possibly part of a stadium or arena. The overall mood is warm and dramatic.

Our mission:

We are the women and men
who design, build, and run
the foundational systems that
the world relies on.

**The backbone of
the world's economy.**