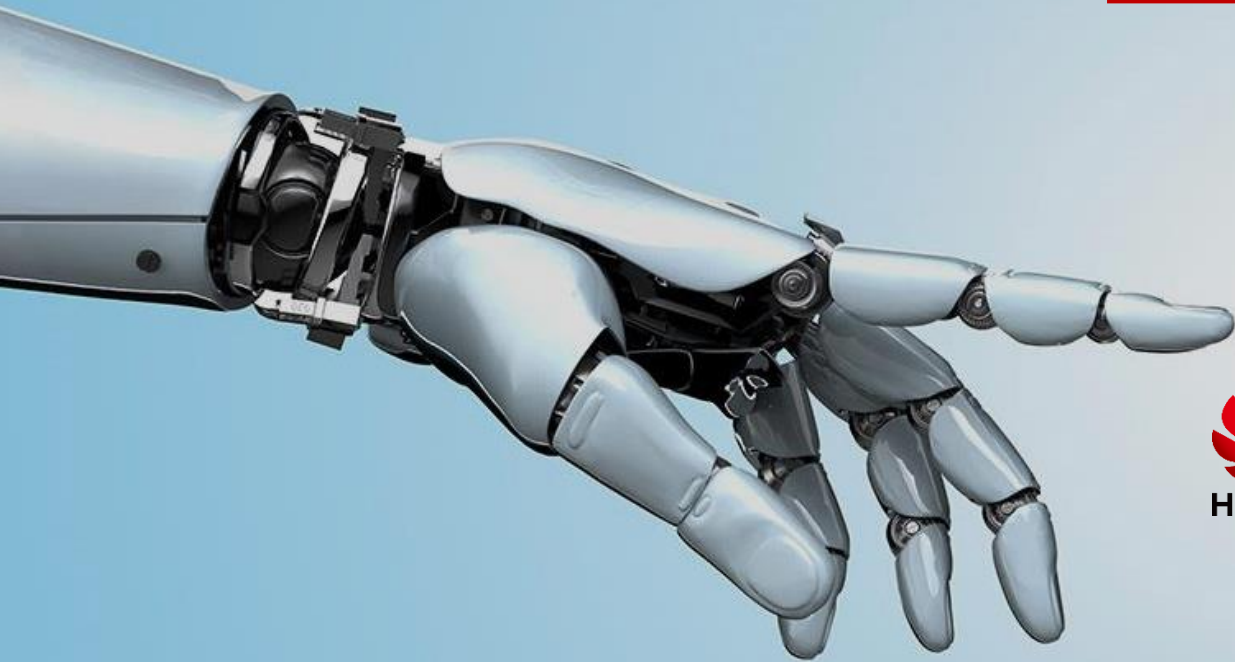
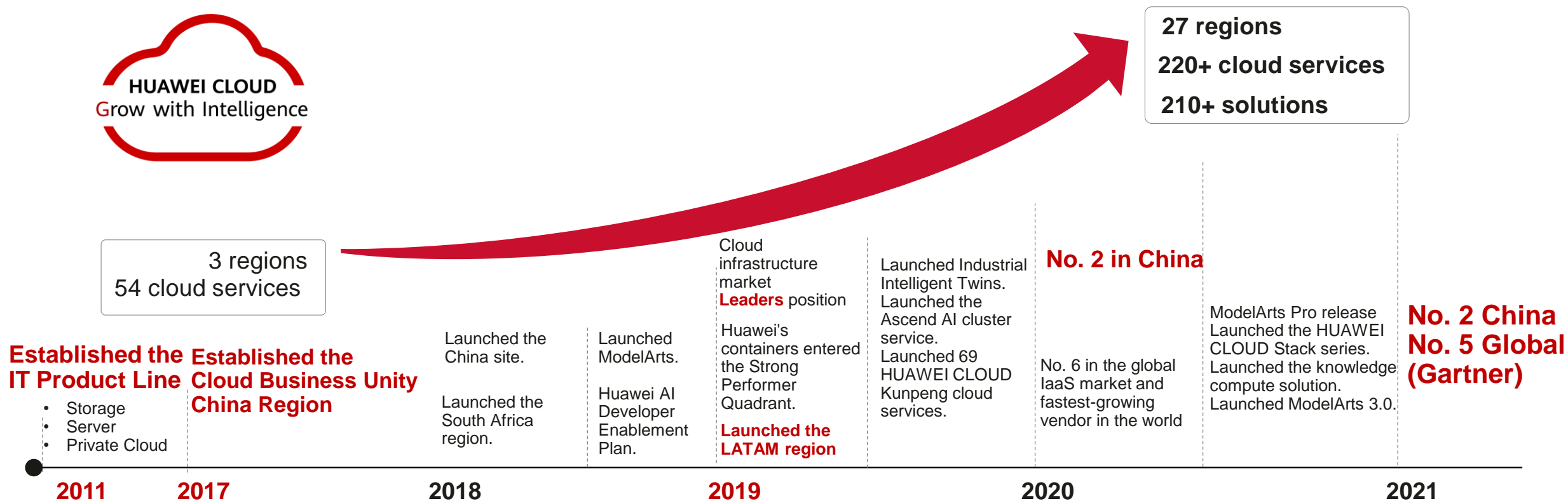


HUAWEI CLOUD ANSWERS



Visão Geral

A cloud Huawei é uma cloud jovem, que iniciou suas operações há apenas 5 anos, em 2017, quando comparada com suas concorrentes AWS (2002), GCP (2008), Azure (2008) e até mesmo Alibaba (2009).



Embratel requirements:

Políticas de segurança por Unidades Organizacionais (OUs)

Existe o conceito de OUs para contas do tipo Enterprise, porém como a conta da Embratel é de parceiro (partner), não há disponibilidade deste recurso. Assim sendo, é inviável a organização das contas da Landing Zone utilizando OUs para aplicação de políticas de segurança de forma uniforme. Talvez seja possível automatizar parcialmente a aplicação de políticas de segurança utilizando Terraform.

Estimativa inicial de esforço: médio a alto



Huawei Cloud answer:

| REQUIREMENTS | DESCRIPTION | DEGREE OF ATTENTION (Attends, Partially, Does Not Attend) | ALTERNATIVE(S) PROPOSAL (TO PARTIALLY or NOT ATTENED) |
|---|---|--|---|
| Security Policies by Organizational Units (OUs) | Need to organize Landing Zone accounts using OUs (Organization Units) for uniform application of security policies. | Meets | https://support.huaweicloud.com/intl/en-us/usermanual-bpconsole/dp_050105.html |

Embratel requirements:

Core Network

Não existe serviço de IPAM na cloud Huawei, portanto para contornar esta situação, é necessário o desenvolvimento de uma ferramenta própria que gerencie a distribuição de faixas de IPs entre as contas.

Estimativa inicial de esforço: médio a alto.



Huawei Cloud answer:

| REQUIREMENTS | DESCRIPTION | DEGREE OF ATTENTION (Attends, Partially, Does Not Attend) | Mark |
|---|--|--|---|
| Centralized management of CORE NETWORK via IPAM | Using IPAM feature for network planning and management, managing distribution of IP ranges among client accounts | Does Not Attend | Donot have roadmap, you can submit tickets to the cloud and check whether they can accept this requirement and provide roadmap Roadmap solicitado, aguardando a definição da data. |

Embratel requirements:

Core Backup

Não existe serviço de backup centralizado na cloud Huawei, sendo necessário o desenvolvimento de uma ferramenta própria para atingir este objetivo.
Estimativa inicial de esforço: médio.



Huawei Cloud answer:

| REQUIREMENTS | DESCRIPTION | DEGREE OF ATTENTION (Attends, Partially, Does Not Attend) | Mark |
|---------------------------------------|--|--|---|
| Centralized management of CORE BACKUP | Backups generated in Customer accounts need to have a replica automatically migrated to Master account | Does Not Attend | <div>Our CBR cannot support this feature ,can you contact Commvault team in Latin America ,to check whether CV can provide feature follow this requirement</div> <div>Roadmap solicitado, aguardando a definição da data.</div> |

Embratel requirements:

Core Audit

Não existe uma forma nativa de centralizar os registros de auditoria na cloud Huawei, tais registros permanecem internos a cada conta. É possível criar uma ferramenta para centralizar esses registros em uma conta core, porém o esforço será variável, na medida em que se deseje preservar os recursos de busca por eventos e atributos específicos pelos registros.

Estimativa inicial de esforço: médio.



Huawei Cloud answer:

| REQUIREMENTS | DESCRIPTION | DEGREE OF ATTENTION (Attends, Partially, Does Not Attend) | ALTERNATIVE(S) PROPOSAL (TO PARTIALLY or NOT ATTENDED) |
|---|--|--|--|
| Centralized event management for AUDIT, automatic replication from Customer account to Master account | Auditable events generated in Customer accounts need to have a replica automatically migrated to the Master account, for centralized management in Control Panel | Meets | Events for auditing (such as service start/stop/modify) are stored by the Cloud Trace Service (CTS) in the account that generated them. You can replicate the logs in two ways: 1) setting up a notification in the CTS that would send the events to an HTTP API or email (https://support.huaweicloud.com/intl/en-us/qs-cts/cts_01_0001.html); 2) setting up the storage of the logs in an Object Storage Service (OBS) bucket (https://support.huaweicloud.com/intl/en-us/qs-cts/cts_02_0003.html), and copying the logs using the OBS API. In both forms, it is necessary to develop an application to collect, consolidate and visualize the logs |

Embratel requirements:



Core Log

Não existe serviço de log centralizado na cloud Huawei, sendo necessário o desenvolvimento de uma ferramenta própria para atingir este objetivo. Existe um serviço na cloud Huawei chamado Log Tank Service que centraliza logs, porém está disponível apenas na região de Hong Kong.

Estimativa inicial de esforço: médio.

Huawei Cloud answer:

| REQUIREMENTS | DESCRIPTION | DEGREE OF ATTENTION (Attends, Partially, Does Not Attend) | ALTERNATIVE(S) PROPOSAL (TO PARTIALLY or NOT ATTENDED) |
|---|--|--|---|
| Centralized management of LOGS, automatic replication of Customer account to Master account | Logs generated in Customer accounts need to have a replica automatically migrated to the Master account, for centralized management in Control Panel | Meets | You can configure inter-account log ingestion through the Log Tank Service (LTS): https://support.huaweicloud.com/intl/en-us/usermanual-lts/lts_04_1112.html |

Embratel requirements:



Core Security

Não existe uma forma nativa de centralizar a monitoria de segurança na cloud Huawei, que permanecem internos a cada conta. Talvez seja possível criar uma ferramenta para centralizar esses alertas em uma conta core, porém aqui o esforço é muito grande, tornando-se praticamente inviável devido à complexidade.

Estimativa inicial de esforço: alto a inviável.

Huawei Cloud answer:

| REQUIREMENTS | DESCRIPTION | DEGREE OF ATTENTION (Attends, Partially, Does Not Attend) | Mark |
|---|---|--|---|
| Centralized management of CORE SECURITY | Use of feature to centralize security monitoring of Customer accounts | Does Not Attend | End of this year ,we will publish secMaster in Brazil ,which can meet this requirements , you can answer the roadmap 2024.Q1 will suppot Roadmap solicitado, aguardando a definição da data. |

Embratel requirements:



Single Sign On:

Não existe solução Single Sign On centralizado na cloud Huawei, porém é possível federar a conta master com um AD e permitir acesso de grupos a contas de clientes através de um recurso chamado Agency.

Huawei Cloud answer:

| REQUIREMENTS | DESCRIPTION | DEGREE OF ATTENTION (Attends, Partially, Does Not Attend) | ALTERNATIVE(S) PROPOSAL (TO PARTIALLY or NOT ATTENDED) |
|-------------------------------------|---|--|--|
| Centralized access management (SSO) | Have Master account managed unified authentication/access mechanism for Customer accounts | Partly | The Identity and Access Management (IAM) service supports Single Sign-On (SSO) by integrating federated authentication based on SAML and OpenID protocols (https://support.huaweicloud.com/intl/en-us/usermanual-iam/iam_08_0001.html) In addition, you can delegate access to resources between HUAWEI CLOUD accounts for operation and management (O&M) through the Agency feature (https://support.huaweicloud.com/intl/en-us/usermanual-iam/iam_06_0001.html) |

Embratel requirements:



Suporte no Brasil

O suporte no Brasil é extremamente limitado, os arquitetos de soluções da Huawei com quem conversamos não conhecem bem os recursos da cloud, e não foram capazes de tirar a maioria das dúvidas que expomos durante as pesquisas dos pontos mencionados neste documento. Foram necessárias inúmeras reuniões e muita troca de e-mail para no final termos a informação apresentada na seção anterior.

Huawei Cloud answer:

| | | | |
|------------------------|------------------------------|-------|---|
| Local support (Brazil) | Support for technical issues | Meets | <p>EMBRATEL reported that the local support (SA, TAM) does not meet the expected level of service, but the view was mistaken, because the local team is complete and more than competent to meet the needs, Even seen that the TAM team has increased considerably in recent months.</p> <p>However, EMBRATEL is a very large company and only one SA/TAM would be burdened for so many services the diversity of issues involved in the work.</p> <p>It is noteworthy that EMBRATEL, as a partner, would need to train its employees to absorb part of the demand and use of HUAWEI CLOUD technologies, just as it does for other cloud providers.</p> |
|------------------------|------------------------------|-------|---|

Thank you.

Bring digital to every person, home, and organization for a fully connected, intelligent world.

**Copyright © 2021 Huawei Technologies Co., Ltd.
All Rights Reserved.**

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

