



**GRUPO DE EMPRESAS CHILQUINTA
GERENCIA DE TECNOLOGÍA**

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CS GT SGTI ET 04

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0

ESPECIFICACIÓN TÉCNICA

ACTIVE DIRECTORY CHILQUINTA
[ACTIVE DIRECTORY CHILQUINTA](#)

Revisado por:
Alfredo Martinez
Fecha: 10-12-2024

Aprobado por:
Wei Zhonghua
Fecha: 10-12-2024

1. OBJETIVO

El objetivo del siguiente documento es definir el Active Directory.

2. ALCANCE

El alcance de este documento consiste en la definición del Active Directory, gestionado por la Subgerencia de Telecomunicaciones y TI.

3. DEFINICIONES Y ABREVIACIONES

No Aplica.

4. RESPONSABILIDAD Y AUTORIDAD

| CARGO | DESCRIPCIÓN |
|------------------------|---|
| Ingenieros de Sistemas | (Ejecución de labores/Revisiones y/o aprobaciones) Responsable de ejecutar lo indicado en el presente documento. |

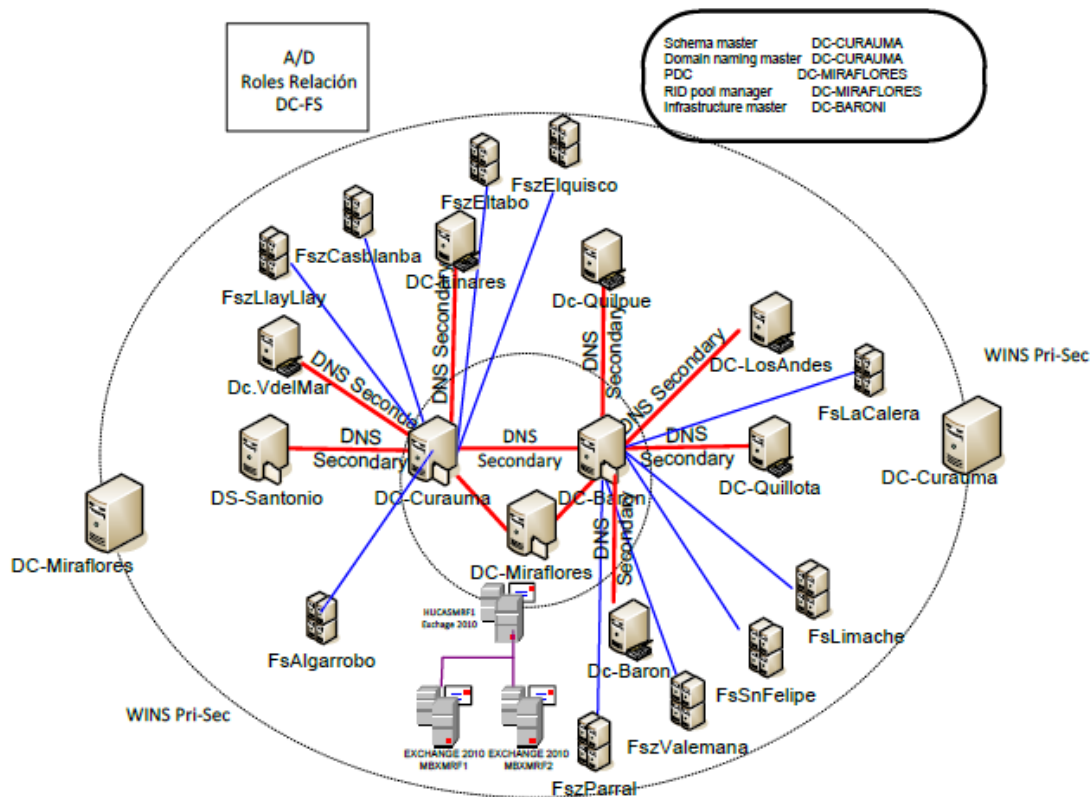
5. DIAGRAMA DE FLUJO

No Aplica.

6. CONTENIDO

6.1. Generalidades

El Grupo Empresas Chilquinta posee una configuración de Active Directory bajo Windows 2016 R2 server, con una única foresta corporativa llamada VIALACTEA.LOCAL para el entorno de conectividad a red y Correo, en cada una de sus oficinas.



Esta Foresta está conformada de acuerdo al siguiente detalle:

| | |
|--------------------------|---|
| DC en Sitio Miraflores : | 1 |
| DC en Sitio Curauma : | 1 |
| Resto Oficinas con DC : | 7 |

El total de servidores distribuidos es 24, con servicio de DHCP, y en el caso de ser Domain Controller se adicionan los servicios de DNS y Global Catalog.

Los Roles de la Forest están distribuidos de la siguiente manera:

| | |
|-----------------------|-------------------------------|
| Schema master: | DC-CURAUMA.vialactea.local |
| Domain Naming Master | DC-CURAUMA.vialactea.local |
| PDC | DC-MIRAFLORES.vialactea.local |
| RID Pool Manager | DC-MIRAFLORES.vialactea.local |
| Infrastructure Master | DC-BARON.vialactea.local |

El rol PDC esta sincronizado con un servidor Network Time Protocol (NTP) ntp.shoa.cl. La periodicidad de sincronización es una vez al día a las 3:00 AM.

6.2. Servidores Directorio Activo

| NOMBRE |
|---------------|
| DC-MIRAFLORES |
| DC-ALDUNATE |
| DC-BARON |
| DC-CURAUMA |
| DC-LOSANDES |
| DC-LINARES |
| DC-QUILLOTA |
| DC-QUILPUE |
| DC-SANTONIO |

6.3. Puertos Permitidos

Los siguientes puertos están permitidos, los cuales pueden estar en 1 o más servidores dependiendo del servicio que prestan.

| PUERTO |
|--------------------------------|
| 42/tcp open nameserver(WINS) |
| 53/tcp open domain |
| 80/tcp open http |
| 88/tcp open kerberos-sec |
| 111/tcp open rpcbind |
| 135/tcp open msrpc |
| 139/tcp open netbios-ssn |
| 389/tcp open ldap |
| 445/tcp open microsoft-ds |
| 464/tcp open kpasswd5 |
| 593/tcp open http-rpc-epmap |
| 636/tcp open ldapssl |
| 2301/tcp open compaqdiag |
| 2381/tcp open compaq-https |
| 3268/tcp open globalcatLDAP |
| 3269/tcp open globalcatLDAPssl |
| 3389/tcp open ms-wbt-server |
| 7937/tcp open nsrexecd |
| 7938/tcp open lgtomapper |
| 8081/tcp open mcafee |
| 9048/tcp open nsrexec |
| 9593/tcp open nsrexec |

| |
|------------------------|
| 49152/tcp open unknown |
| 49153/tcp open unknown |
| 49154/tcp open unknown |
| 49155/tcp open unknown |
| 49157/tcp open unknown |
| 49158/tcp open unknown |

6.4. Recursos Compartidos

Los siguientes recursos compartidos están permitidos, los cuales pueden estar en 1 o más servidores dependiendo del servicio que prestan.

| RECURSOS COMPARTIDO | DESCRIPCIÓN |
|------------------------|---|
| ADMIN\$ | Comunicación entre servidores |
| apps | Información de usuarios en DC-LINARES |
| BIN | Binarios Cliente Oracle 10 |
| CertEnroll | Servidor de Certificado |
| client_1 | Cliente Oracle 10 |
| dll | DLL de Sybase Open Client 12 |
| dlls | DLL de Sybase Open Client 11 |
| EPO51 | Servidor de Actualización de antivirus |
| F | Sistemas de Información |
| IPC\$ | Recurso administrativo para comunicación entre servidores |
| LIB | Lib Cliente Oracle 10 |
| NETLOGON | Recurso Compartido Active Directory |
| oracle10 | Cliente Oracle 10 |
| oracle11 | Cliente Oracle 11 |
| sistemas | Sistemas de Información |
| sql11 | Sybase Open Client 11 |
| sql12 | Sybase Open Client 12 |
| SYSVOL | Recurso Compartido Active Directory |
| TESTT | Recurso Archivos Distribuidos (DFS) |

6.5. Excepciones

El servidor domain controler de DC-LINARES, posee el servicio file server.

6.6. Comentarios y/o Consultas

Consultas o inquietudes, respecto del presente procedimiento pueden ser tratadas con su jefatura directa o con los siguientes responsables:

| Contacto |
|---------------------------------------|
| 1. Ingenieros de Sistemas |
| 2. Jefe de Sistemas e Infraestructura |

7. NORMATIVA VIGENTE

No aplica.

8. REFERENCIAS

No aplica.

9. ASUNTOS ÉTICOS


Consultas o inquietudes relacionadas con temas éticos pueden ser realizadas al encargado de cumplimiento (Gerente Legal) al fono: 322452289.

10. HISTORIAL DE CAMBIOS

| Nº Versión | Fecha Vigencia | Comentario | Elaborado por | Revisado por | Aprobado por |
|---------------|-------------------|---|------------------|------------------|-----------------|
| 0 | 14/03/2012 | Creación documento | | | |
| 0 | 10-12- 2024 | Adecuación procedimiento control documental corporativo | Alfredo Martinez | Alfredo Martinez | Wei Zhonghua |

11. ANEXOS Y REGISTROS

Registros: Los registros digitales se almacenarán según se indique en la planilla de gestión de configuración del área de Sistemas e Infraestructura.

| | | | |
|---|-------------------------------------|---|----------------------|
|  | | CHILQUINTA GROUP OF COMPANIES | |
| Identification: CS GT SGTI ET 04 | Creation date: 14/03/2012 | Modification date: 10-12-2024 | Version: 0 |
| TECHNICAL SPECIFICATION ACTIVE DIRECTORY CHILQUINTA ACTIVE DIRECTORY CHILQUINTA | | | |

| | |
|--|--|
| Reviewed by: Alfredo Martinez Date: 10-12-2024 | Approved by: Wei Zhonghua Date: 10-12-2024 |
|--|--|

1. OBJECTIVE

The aim of the following document is to define the Active Directory .

2. SCOPE

The scope of this document consists of the definition of the Active Directory , managed by the Telecommunications and IT Deputy Management.

3. DEFINITIONS AND ABBREVIATIONS

Does not apply.

4. RESPONSIBILITY AND AUTHORITY

| POST | DESCRIPTION |
|----------------------|--|
| Engineers of Systems | (Execution of tasks/Reviews and/or approvals) Responsible for executing what is indicated in this document. |

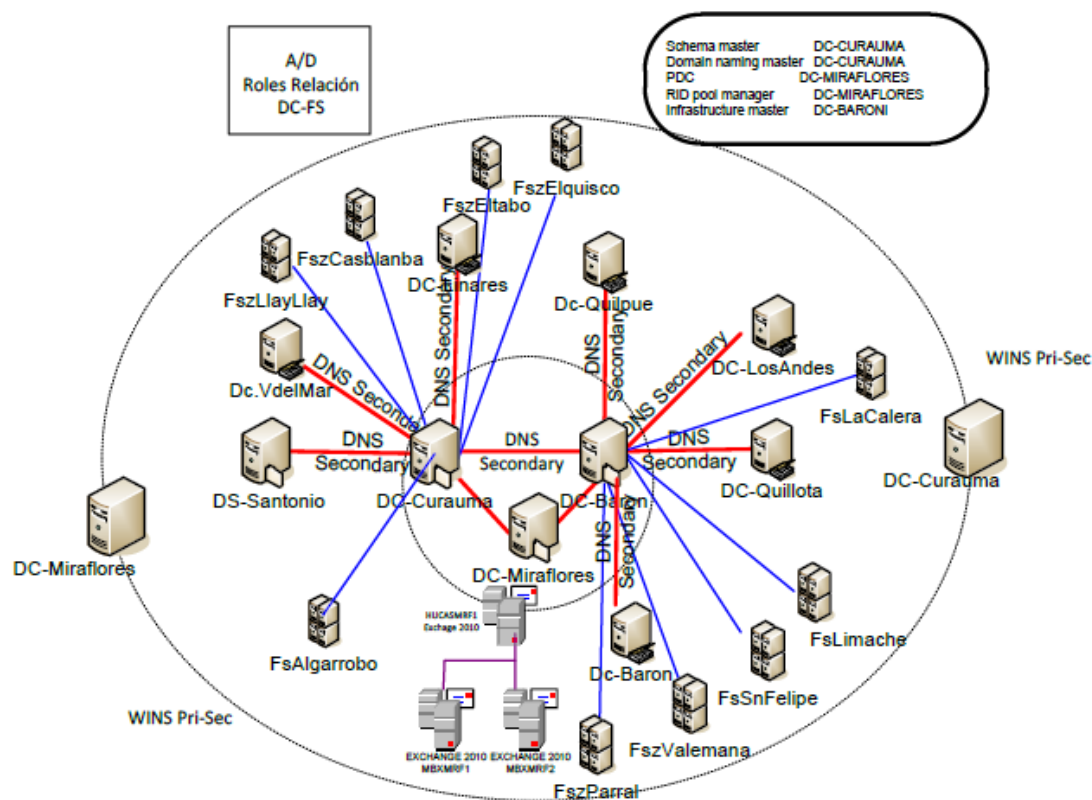
5. FLOWCHART

Does not apply.

6. CONTENT

6.1. Generalities

The Chilquinta Business Group has an Active Directory configuration under Windows 2016 R2 server, with a single corporate forest called VIALACTEA.LOCAL for the network connectivity and Mail environment, in each of its offices.



This Forest is made up according to the following detail:

| | |
|------------------------|---|
| DC in Miraflores Site: | 1 |
| DC in Sitio Curauma: | 1 |
| Rest Offices with DC: | 7 |

The total number of distributed servers is 24, with DHCP service, and in the case of Domain Controller DNS and Global Catalog services are added .

The Forest Roles are distributed as follows:

| | |
|-----------------------|--------------------------------|
| Schema master: | DC- CURAUMA.vialactea.local |
| Domain Naming Master | DC- CURAUMA.vialactea.local |
| PDC | DC- MIRAFLORES.vialactea.local |
| RID Pool Manager | DC- MIRAFLORES.vialactea.local |
| Infrastructure Master | DC- BARON.vialactea.local |

The PDC role is synchronized with a Network Time Protocol (NTP) server ntp.shoa.cl. The synchronization frequency is once a day at 3:00 AM.

6.2. Active Directory Servers

| NAME |
|---------------|
| DC-MIRAFLORES |
| DC-ALDUNATE |
| DC-BARON |
| DC-CURAUMA |
| DC-LOSANDES |
| DC-LINARES |
| DC-QUILLOTA |
| DC-QUILPUE |
| DC-SANTONIO |

6.3. Allowed Ports

The following ports are allowed, which can be on 1 or more servers depending on the service they provide.

| PORT |
|---------------------------------|
| 42/ tcp open nameserver (WINS) |
| 53/ tcp open domain |
| 80/ tcp open http |
| 88/ tcp open kerberos-sec |
| 111/ tcp open rpcbind |
| 135/ tcp open msrpc |
| 139/ tcp open netbios-ssn |
| 389/ tcp open ldap |
| 445/ tcp open microsoft-ds |
| 464/ tcp open kpasswd5 |
| 593/ tcp open http- rpc - epmap |
| 636/ tcp open ldapssl |
| 2301/ tcp open compaqdiag |
| 2381/ tcp open compaq -https |
| 3268/ tcp open globalcatLDAP |
| 3269/ tcp open globalcatLDAPssl |
| 3389/ tcp open ms - wbt -server |
| 7937/ tcp open nsrexecd |
| 7938/ tcp open lgtopper |
| 8081/ tcp open mcafee |
| 9048/ tcp open nsrexec |

| |
|-------------------------|
| 9593/ tcp open nsrexec |
| 49152/ tcp open unknown |
| 49153/ tcp open unknown |
| 49154/ tcp open unknown |
| 49155/ tcp open unknown |
| 49157/ tcp open unknown |
| 49158/ tcp open unknown |

6.4. Shared resources

The following resources shared are allowed, the which they can be in 1 either further serversdepending on the service that they lend

| RESOURCES SHARED | DESCRIPTION |
|------------------|---|
| ADMIN\$ | Communication between servers |
| apps | Information of users in DC-LINARES |
| BIN | Binaries Customer Oracle 10 |
| CertEnroll | Server of Certificate |
| client_1 | Customer Oracle 10 |
| dll | DLL of Sybase OpenClient 12 |
| dlls | DLL of Sybase OpenClient eleven |
| EPO51 | Server of Update of antivirus |
| F | Systems of Information |
| CPI\$ | Administrative resource for communication between servers |
| LIB | Lib Customer Oracle 10 |
| NETLOGON | Resource Shared Activate Directory |
| oracle10 | Customer Oracle 10 |
| oracle11 | Customer Oracle eleven |
| systems | Systems of Information |
| sql11 | Sybase open client eleven |
| sql12 | Sybase open client 12 |
| SYSVOL | Resource Shared Activate Directory |
| TESTT | Resource Files Distributed (DFS) |

6.5. Exceptions

domain server DC-LINARES controller , has the file server service.

6.6. Comments and/or Queries

Questions or concerns regarding this procedure can be addressed with your direct management or with the following people in charge:

| Contact |
|---------------------------------------|
| 1. Engineers of Systems |
| 2. Head of Systems and Infrastructure |

7. REGULATIONS IN FORCE

Does not apply.

8. REFERENCES

Does not apply.

9. ETHICAL ISSUES

Queries or concerns related to ethical issues can be made to the compliance officer (Legal Manager) at phone number: 322452289.

10. HISTORY OF CHANGES

| Version No. | Effective date | Comment | Produced by | Reviewed by | Approved by |
|-------------|----------------|---|------------------|------------------|--------------|
| 0 | 14/03/2012 | Document creation | | | |
| 0 | 10-12-2024 | Adaptation of corporate control documentary procedure | Alfredo Martinez | Alfredo Martinez | Wei Zhonghua |

11. ANNEXES AND RECORDS

Records: The digital records will be stored as indicated in the configuration management form of the Systems and Infrastructure area.