Portada

# Tabla de Contenidos

Tabla de contenidos

# Introducción

## Objetivos del proyecto

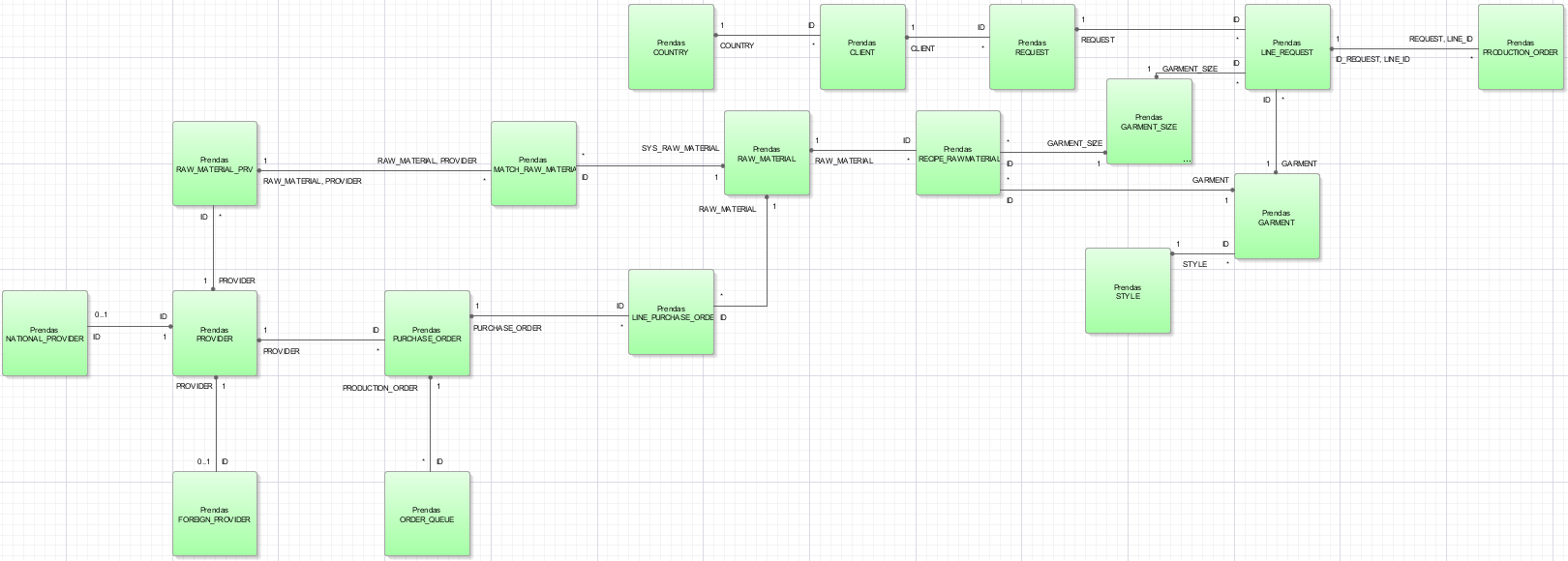
## Descripción del problema

## Descripción de estructura el documento

## Tecnologías empleadas para solucionar el problema

# Diagramas

## Bases de Datos



## Componentes

## Instalación

A continuación, se presentan las tablas donde se da la especificación de los datos de almacenamiento de las tablas definidas de la base de datos. A demás de esto, se presentan el volumen esperado y el crecimiento de las tablas. El orden en el que se encuentran las tablas constituye el orden recomendado de creación de las mismas para que no exista problema con ninguna integridad referencial.

### Country

|  |  |  |  |
| --- | --- | --- | --- |
| Country | | | |
| Cantidad de Registros | 50 | | |
| Columna | Tipo de Dato | Máximo | Promedio |
| ID | INT | 4 bytes | 4 bytes |
| Name | VARCHAR2(20) | 20 bytes | 15 bytes |
| Total |  | 24 bytes | 19 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 70

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

## Garment Size

|  |  |  |  |
| --- | --- | --- | --- |
| Garment Size | | | |
| Cantidad de Registros | 5 (S, M, L, XL, XXL) | | |
| Columna | Tipo de Dato | Máximo | Promedio |
| ID | INT | 4 bytes | 4 bytes |
| Garment Size | VARCHAR2(3) | 3 bytes | 2 bytes |
| Total |  | 7 bytes | 6 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 76

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Raw Material

|  |  |  |  |
| --- | --- | --- | --- |
| Raw Material | | | |
| Cantidad de Registros | 20000 (Especificado en el enunciado) | | |
| Columna | Tipo | Máximo | Promedio |
| ID | INT | 4 bytes | 4 bytes |
| Unit | VARCHAR2(4) | 4 bytes | 2 bytes |
| Min Quantity | DOUBLE PRECISION | 9 bytes | 9 bytes |
| Current Existence | DOUBLE PRECISION | 9 bytes | 9 bytes |
| Unit Cost | DOUBLE PRESICION | 9 bytes | 9 bytes |
| Description | VARCHAR2(50) | 50 bytes | 35 bytes |
| Total |  | 85 bytes | 68 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 70

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Provider

|  |  |  |  |
| --- | --- | --- | --- |
| Provider | | | |
| Cantidad | 200 (Especificado en el enunciado) | | |
| Columna | Tipo | Máximo | Promedio |
| ID | INT | 4 bytes | 4 bytes |
| Type | CHAR (1) | 1 bytes | 1 bytes |
| Name | CHAR (1) | 1 bytes | 1 bytes |
| Direction | VARCHAR2(30) | 30 bytes | 20 bytes |
| Email | VARCHAR2(20) | 20 bytes | 15 bytes |
| Phone | NUMBER (8) | 5 bytes | 5 bytes |
| Contact Name | VARCHAR2(30) | 30 bytes | 20 bytes |
| Total |  | 91 bytes | 76 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 74

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Client

|  |  |  |  |
| --- | --- | --- | --- |
| Client | | | |
| Cantidad | 5 000 (Especificado en el enunciado) | | |
| Columna | Tipo | Máximo | Promedio |
| ID | INT | 4 bytes | 4 bytes |
| ID Number | NUMBER (9) | 5 bytes | 5 bytes |
| Country | INT | 4 bytes | 4 bytes |
| Name | VARCHAR2 (20) | 20 bytes | 15 bytes |
| Last Name | VARCHAR2 (20) | 20 bytes | 15 bytes |
| Direction | VARCHAR2 (30) | 30 bytes | 20 bytes |
| Email | VARCHAR2 (20) | 20 bytes | 16 bytes |
| Phone | NUMBER (8) | 5 bytes | 5 bytes |
| Payment Direction | VARCHAR (40) | 40 bytes | 30 bytes |
| Total |  | 148 bytes | 104 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 60

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### National Provider

|  |  |  |  |
| --- | --- | --- | --- |
| National Provider | | | |
| Cantidad de Registros | 100 (La mitad de todos los proveedores) | | |
| Columna | Tipo | Máximo | Promedio |
| Provider | INT | 4 bytes | 4 bytes |
| Identification Number | NUMBER (11) | 6 bytes | 5 bytes |
| Max Days | INT | 4 bytes | 4 bytes |
| Total |  | 14 bytes | 13 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 83

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Foreign Provider

|  |  |  |  |
| --- | --- | --- | --- |
| Foreign Provider | | | |
| Cantidad de Registros | 100 (La mitad de todos los proveedores) | | |
| Columna | Tipo | Máximo | Promedio |
| Provider | INT | 4 bytes | 4 bytes |
| Bank | VARCHAR2 (30) | 30 bytes | 20 bytes |
| Account | NUMBER (16) | 9 bytes | 8 bytes |
| Total |  | 43 bytes | 32 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 65

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Raw Material x Provider

|  |  |  |  |
| --- | --- | --- | --- |
| Raw Material x Provider | | | |
| Cantidad de Registros | 40000 (Cada proveedor suministra en promedio 200 materias primas) | | |
| Columna | Tipo | Máximo | Promedio |
| Raw Material | VARCHAR (20) | 20 bytes | 14 bytes |
| Provider | VARCHAR2 (30) | 30 bytes | 20 bytes |
| Unit Cost | NUMBER (16) | 9 bytes | 8 bytes |
| Quantity | DOUBLE PRECISION | 9 bytes | 9 bytes |
| Deliver Time | NUMERIC (2) | 2 bytes | 2 bytes |
| Total |  | 70 bytes | 53 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 66

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Match Raw Material

|  |  |  |  |
| --- | --- | --- | --- |
| Match Raw Material | | | |
| Cantidad de Registros | 100 | | |
| Columna | Tipo | Máximo | Promedio |
| Raw Material | VARCHAR (20) | 20 bytes | 14 bytes |
| Provider | INT | 4 bytes | 4 bytes |
| System Raw Material | INT | 4 bytes | 4 bytes |
| Total |  | 28 bytes | 22 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 70

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Style

|  |  |  |  |
| --- | --- | --- | --- |
| Style | | | |
| Cantidad de Registros | 15 (Asumido) | | |
| Columna | Tipo | Máximo | Promedio |
| ID | INT | 4 bytes | 4 bytes |
| Color | VARCHAR2(10) | 10 bytes | 6 bytes |
| Description | VARCHAR2(50) | 50 bytes | 35 bytes |
| Total |  | 64 bytes | 45 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 60

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Garment

|  |  |  |  |
| --- | --- | --- | --- |
| Garment | | | |
| Cantidad de Registros | 2000 (Especificado en el enunciado) | | |
| Columna | Tipo | Máximo | Promedio |
| ID | INT | 4 bytes | 4 bytes |
| Unit Cost | DOUBLE PRECISION | 9 bytes | 9 bytes |
| Description | VARCHAR2(120) | 120 bytes | 60 bytes |
| Image | BLOB | 64 bytes | 64 bytes |
| Video | BLOB | 64 bytes | 64 bytes |
| Style | INT | 4 bytes | 4 bytes |
| Total |  | 265 bytes | 205 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 67

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Request

|  |  |  |  |
| --- | --- | --- | --- |
| Request (Con datos de doce meses) | | | |
| Cantidad de Registros | 5000 (clientes) \* 24 (pedidos en un año de un cliente) = 120 000 | | |
| Columna | Tipo | Máximo | Promedio |
| ID | INT | 4 bytes | 4 bytes |
| Client | INT | 4 bytes | 4 bytes |
| Request Date | DATE | 7 bytes | 7 bytes |
| Deliver Date | DATE | 7 bytes | 7 bytes |
| Total |  | 22 bytes | 22 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 90

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Line Request

|  |  |  |  |
| --- | --- | --- | --- |
| Line Request (Con datos de doce meses) | | | |
| Cantidad de Registros | 120000 (Request) \* 20 (Líneas por pedido) = 2 400 000 | | |
| Columna | Tipo | Máximo | Promedio |
| Request | INT | 4 bytes | 4 bytes |
| Line ID | INT | 4 bytes | 4 bytes |
| Garment | INT | 4 bytes | 4 bytes |
| Garment Size | INT | 4 bytes | 4 bytes |
| Quantity | INT | 4 bytes | 4 bytes |
| Total |  | 20 bytes | 20 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 90

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Production Order

|  |  |  |  |
| --- | --- | --- | --- |
| Production Order | | | |
| Cantidad de Registros | 120 000 (Asumidos) | | |
| Columna | Tipo | Máximo | Promedio |
| Request | INT | 4 bytes | 4 bytes |
| Line ID | INT | 4 bytes | 4 bytes |
| Production Date | DATE | 7 bytes | 7 bytes |
| Units | INT | 4 bytes | 4 bytes |
| State | CHAR (1) | 1 bytes | 1 bytes |
| Total |  | 20 bytes | 20 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 90

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Order Queue

|  |  |  |  |
| --- | --- | --- | --- |
| Order Queue | | | |
| Cantidad de Registros | 50 (Asumido) | | |
| Columna | Tipo de Dato | Máximo | Promedio |
| ID | INT | 4 bytes | 4 bytes |
| Production Order | INT | 4 bytes | 4 bytes |
| Quantity Needed | DOUBLE PRECISION | 9 bytes | 9 bytes |
| Total |  | 17 bytes | 17 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 90

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Purchase Order

|  |  |  |  |
| --- | --- | --- | --- |
| Purchase Order | | | |
| Cantidad de Registros | 1 000 (Asumidos) | | |
| Columna | Tipo | Máximo | Promedio |
| ID | INT | 4 bytes | 4 bytes |
| Provider | INT | 4 bytes | 4 bytes |
| Order Date | DATE | 7 bytes | 7 bytes |
| Total |  | 13 bytes | 13 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 90

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Line Purchase Order

|  |  |  |  |
| --- | --- | --- | --- |
| Line Purchase Order | | | |
| Cantidad de Registros | 5 000 (Asumidos) | | |
| Columna | Tipo | Máximo | Promedio |
| Purchase Order | INT | 4 bytes | 4 bytes |
| Raw Material | INT | 4 bytes | 4 bytes |
| Quantity | DOUBLE PRECISION | 9 bytes | 7 bytes |
| Total |  | 15 bytes | 15 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 90

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

### Recipe x Raw Material

|  |  |  |  |
| --- | --- | --- | --- |
| Recipe x Raw Material | | | |
| Cantidad de Registros | 2 000 \* 10 = 20 000 | | |
| Columna | Tipo | Máximo | Promedio |
| Garment | INT | 4 bytes | 4 bytes |
| Garment Size | INT | 4 bytes | 4 bytes |
| Raw Material | INT | 4 bytes | 4 bytes |
| Quantity | DOUBLE PRECISION | 9 bytes | 9 bytes |
| Total |  | 21 bytes | 21 bytes |

**Initial Extent y Next Extent:**

**Percent Used:** 90 - Percent Free = 90

**Percent Free:**

**Min Trans:** 1

**Max Trans:** 255

# Diccionario de Datos

# Conclusiones

## Puntos concluidos y Pendientes

## Experiencia adquirida y Recomendaciones

## Distribución de la carga de trabajo entre los integrantes del grupo

# Bibliografía

# Anexos

## Scripts