

## Modelos de Bases de Datos

- 1 Modelo de Archivos Planos
- 2 Modelo Jerárquico
- 3 Modelo de Redes
- 4 Introducción al Modelo Relacional

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## Modelos de Bases de Datos

- 2 Modelo Jerárquico

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## Modelo Jerárquico

Datos Organizados  
en una estructura  
**Jerárquica**  
Árbol Invertido  
(*tree-like structure*)

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## Modelo Jerárquico

Raíz

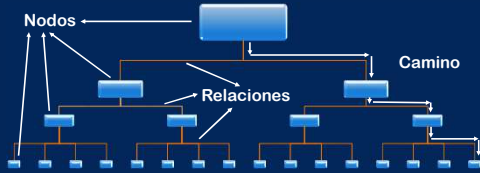


Ramas

Hojas

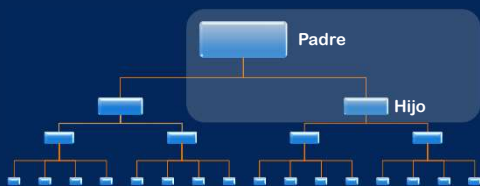
## Modelo Jerárquico

Nomenclatura



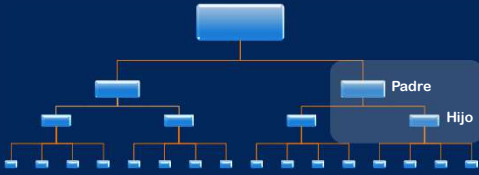
## Modelo Jerárquico

Nomenclatura



### Modelo Jerárquico

Nomenclatura



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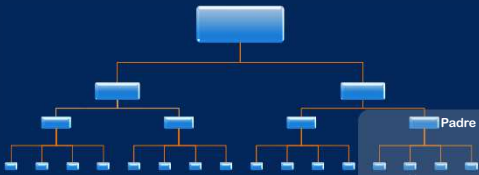
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### Modelo Jerárquico

Nomenclatura



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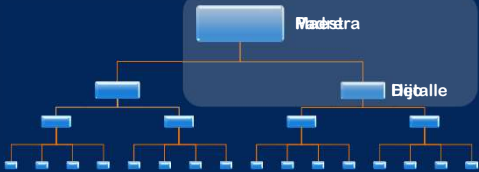
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### Modelo Jerárquico

Nomenclatura



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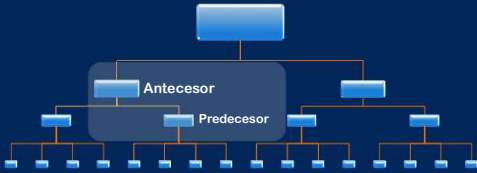
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## Modelo Jerárquico

Nomenclatura



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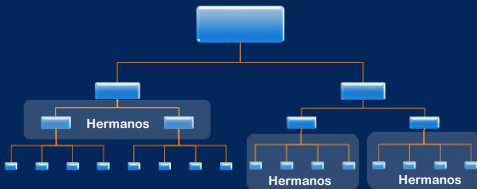
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## Modelo Jerárquico

Nomenclatura



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## Modelo Jerárquico



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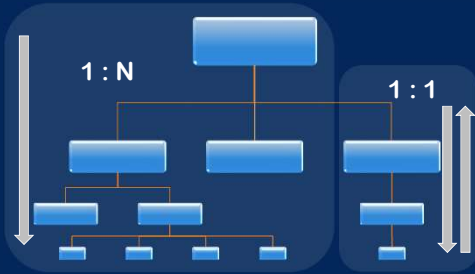
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### Modelo Jerárquico




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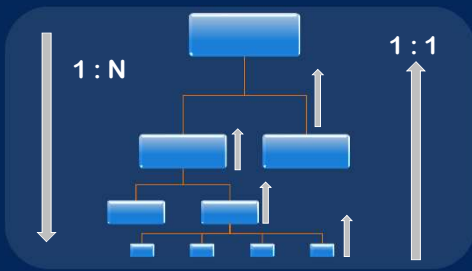
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### Modelo Jerárquico




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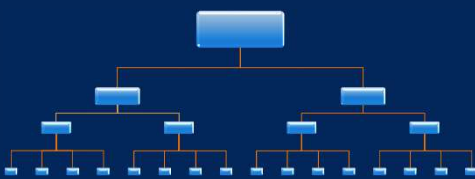
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### Modelo Jerárquico



No permite Relaciones  
Muchos a Muchos (N : M)

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### Modelo Jerárquico

- Árbol Invertido
- 3 Niveles (Raiz, Ramas, Hojas)
- Recapitulando...
- Muy Rígido
- No permite relaciones N : M




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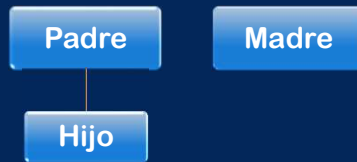
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### Modelo Jerárquico

El Problema de los Hijos de mis Empleados




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### Modelo Jerárquico

El Problema de los Hijos de mis Empleados




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