



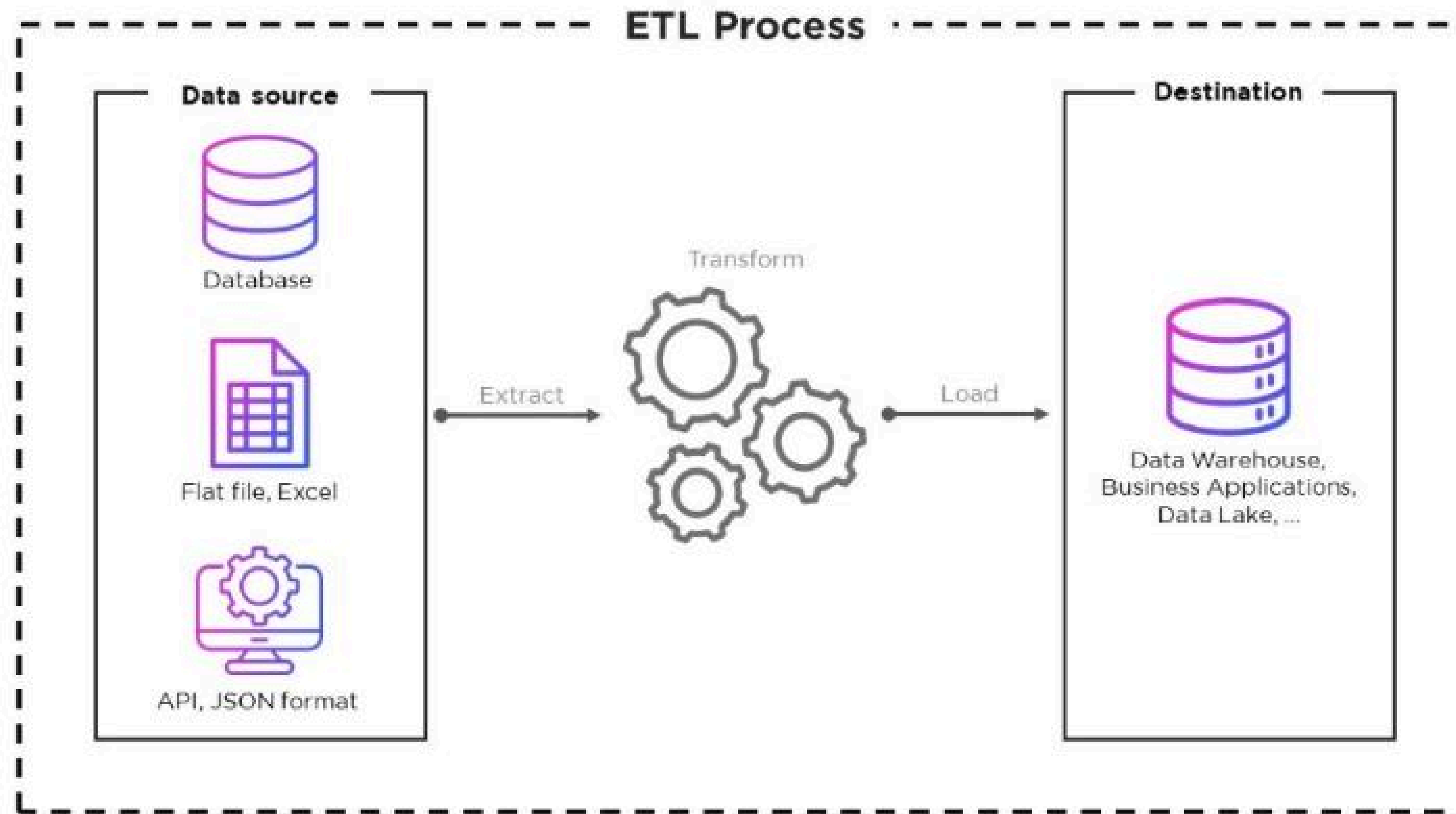
DATA HUB

Eduarda Gonzaga & St. Paul's

Today's Agenda:

1. Architecture
2. Updates
3. Expected Benefits
4. Next steps

Data flow





St. Paul's School

Data Journey

Data Inventory

Audit storage

Data transformation

Organise the Data

Customised Reports

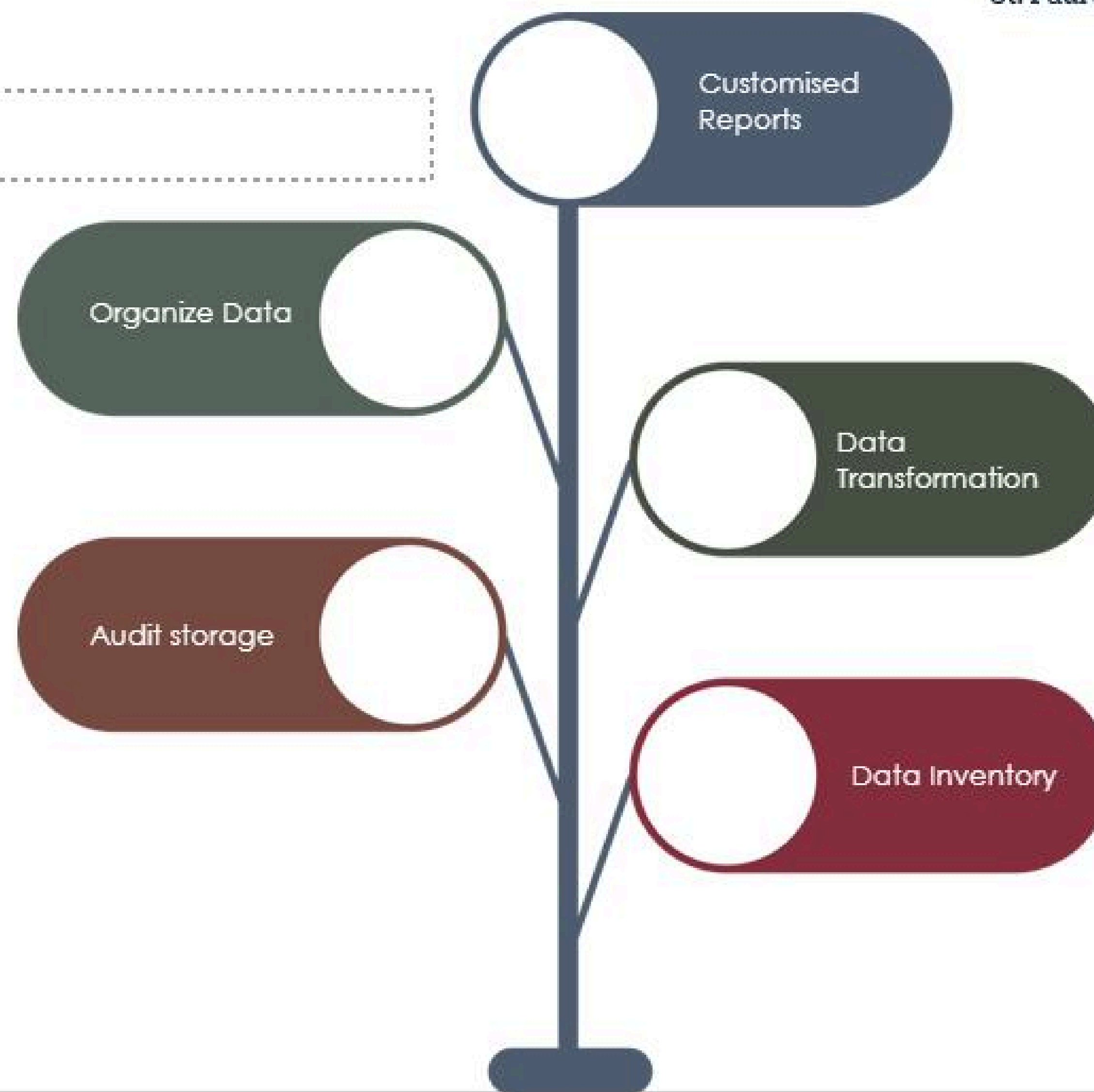
Organize Data

Audit storage

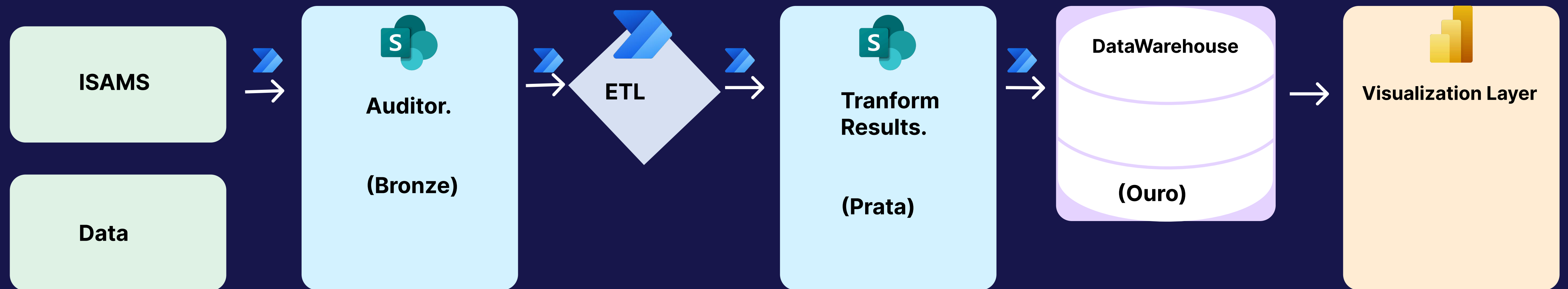
Customised
Reports

Data
Transformation

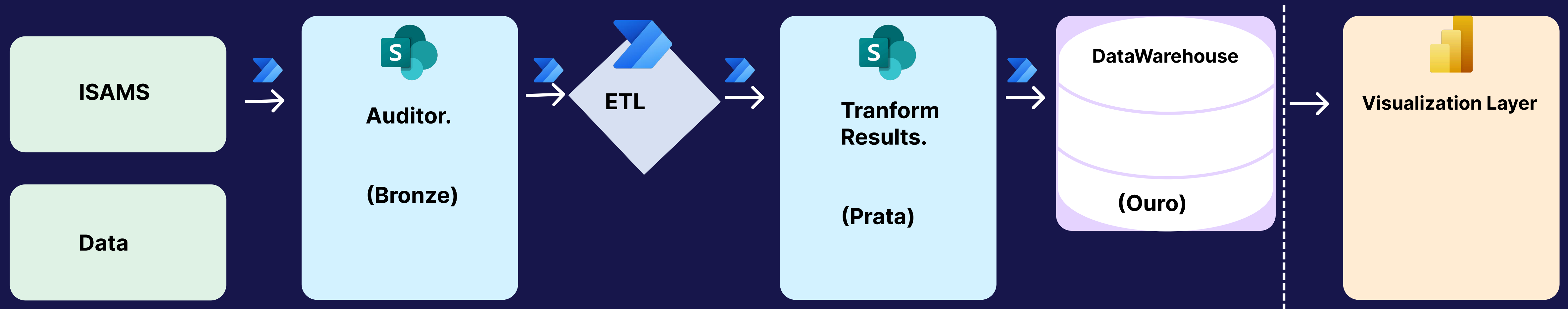
Data Inventory



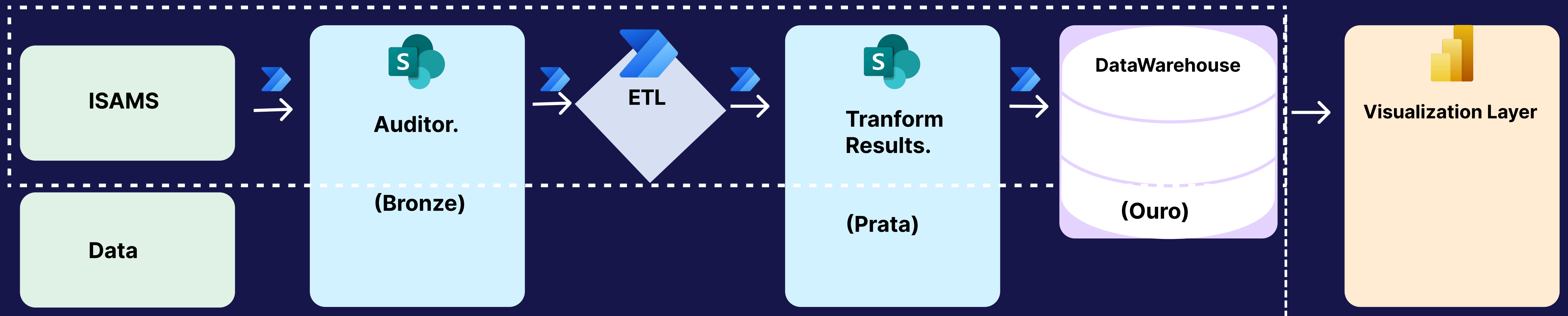
Arquiteture



Arquiteture



Arquiteture



Updates

Data originates from different operational and academic systems:

Data originates from different operational and academic systems:

- SharePoint: Teachers submit qualitative observations, student notes, and attendance annotations.
- Secretary's Office Systems: Academic records, financial history, tuition payments, and outstanding balances.
- Infirmary Logs: Records of student visits, medical occurrences, and health notes.
- Turnstile Systems: Student entries, exits, late arrivals, and absence data.
- External Files & Systems: Complementary data in Excel, CSV, or third-party platforms.

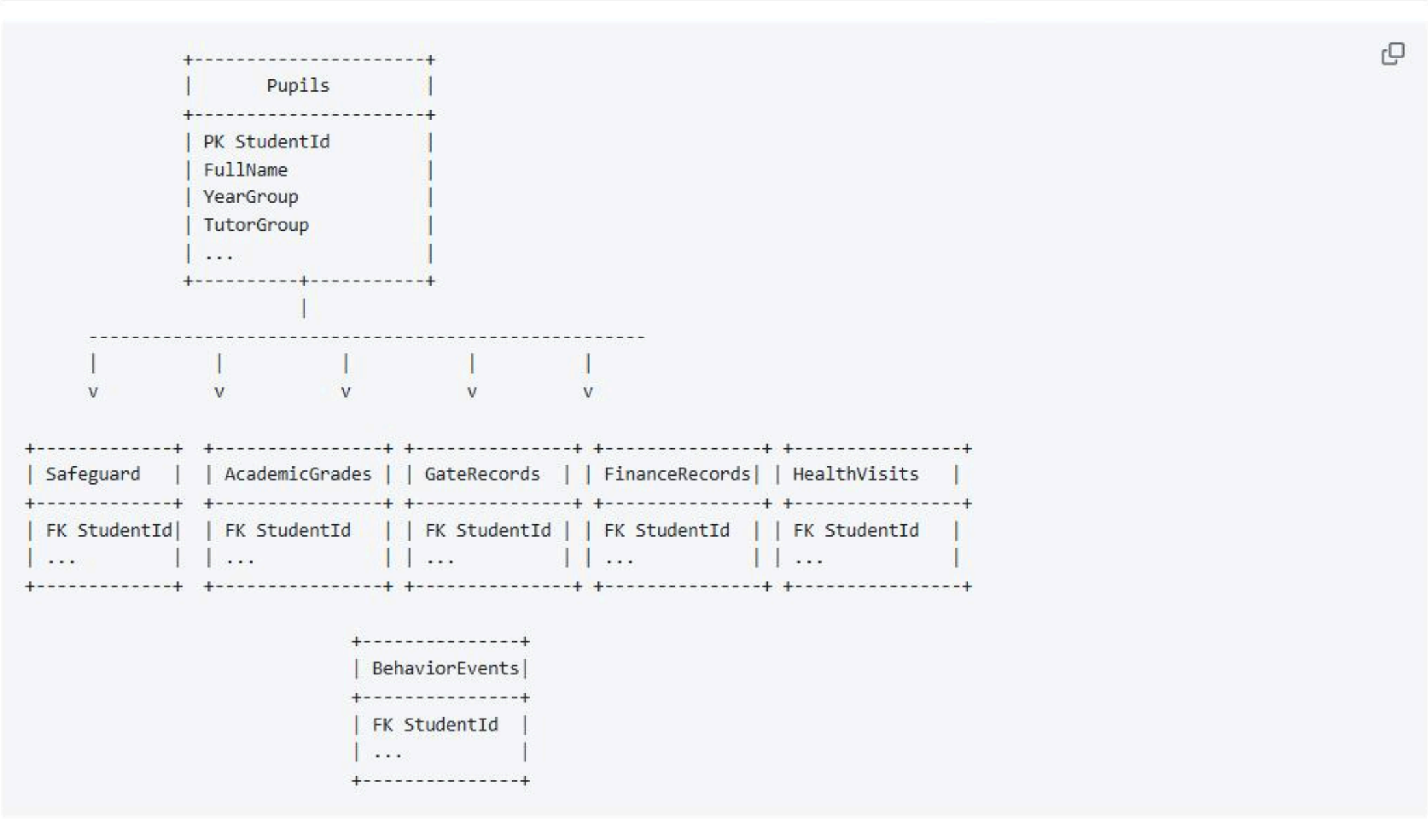
Updates

2.2 Supporting Bronze Lists (Raw Audit Tables)


Each new SharePoint list mirrors a domain of student data. Examples:

Domain	Bronze List Name	Key Relationship
Safeguarding	Datawarehouse_Safeguarding_Events	Linked via StudentId
Attendance (Catracas)	Datawarehouse_Attendance_Gates	Linked via StudentId + Timestamp
Academic Grades	Datawarehouse_Academic_Grades	Linked via StudentId + SubjectCode
Finance	Datawarehouse_Finance_Records	Linked via StudentId + InvoiceId
Medical (Enfermaria)	Datawarehouse_Health_Visits	Linked via StudentId + VisitId
Behavior	Datawarehouse_Behavior_Alerts	Linked via StudentId + EventId


1.2 Logical ER Diagram (Textual)



Updates

 **On-premises data gateway** ? ×


Você está conectado como `duda.inteli@stpauls.br` e está pronto para registrar o gateway.

 **Falha na Instalação.** Sua organização tem restrições sobre quem pode instalar gateways de dados locais. Entre em contato com o administrador do serviço ou com o administrador do seu locatário.

Novo nome de on-premises data gateway *

☐ Adicionar a um cluster existente do gateway [Saiba mais](#)

Chave de recuperação (no mínimo 8 caracteres) *

 Essa chave é necessária para restaurar o gateway e não pode ser alterada. Grave-a em um local seguro.

Confirmar chave de recuperação *

Usaremos essa região para conectar o gateway a serviços de nuvem: Brazil South. Verifique se o status do gateway mostra como Pronto. [Alterar Região](#)

[Fornecer detalhes de retransmissão \(opcional\)](#) Por padrão, as Retransmissões do Azure são provisionadas automaticamente

Next Steps

M15

KPIs and aggregated views are generated in the Analytics Layer.

M16

Testing, validation and documentations

Thank you!

