eScholar

South Carolina Department of Education

PowerSchool, SIF, eScholar

How we use eScholar and Integrate with PowerSchool

2018 eScholar Uniq-ID Conference

Session Overview

- South Carolina uses eScholar to uniquely identify students throughout the state. We use SIF to connect to our SIS (PowerSchool). I'll discuss some of the requirements we have and the issues we face in meeting them. I'll also cover some possible solutions to improve performance.

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System Architecture and Usage

The current system architecture and how it integrates with Uniq-ID.
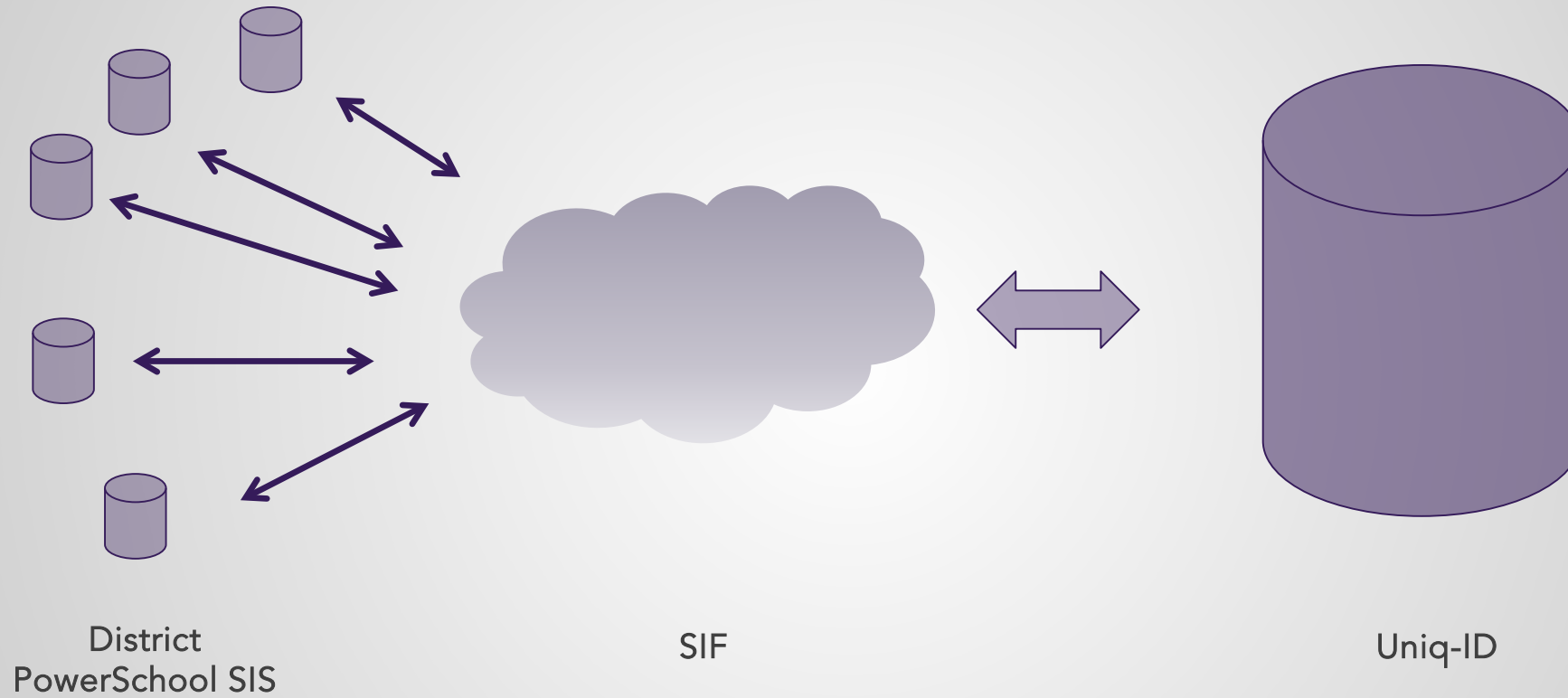
Problems/ Resolutions

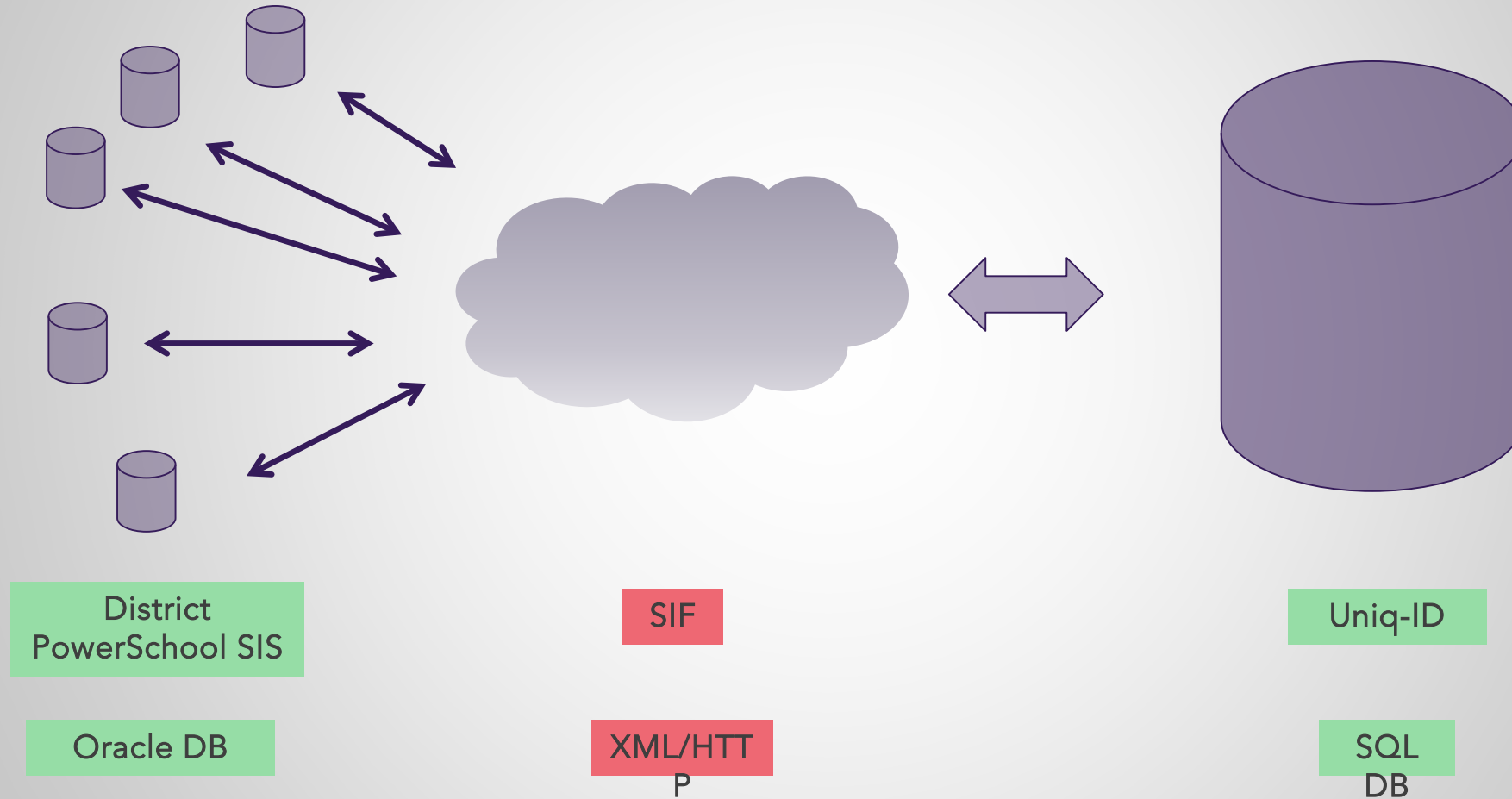Some of the problems we have run into and possible resolutions.

The Future

Future projects and uses for Uniq-ID in South Carolina.

System Architecture and Usage

District
PowerSchool SIS

SIF

Uniq-ID

eScholar

System Architecture and Usage

District
PowerSchool SIS

Oracle DB

SIF

XML/HTTP

Uniq-ID

SQL
DB

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Problems/ Resolutions

Performance

Performance

Performance

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Problems/ Resolutions

The basic interaction model

PowerSchool

SIF

Uniq-ID

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Problems/ Resolutions

The basic interaction model

PowerShool   SIF   Uniq-ID
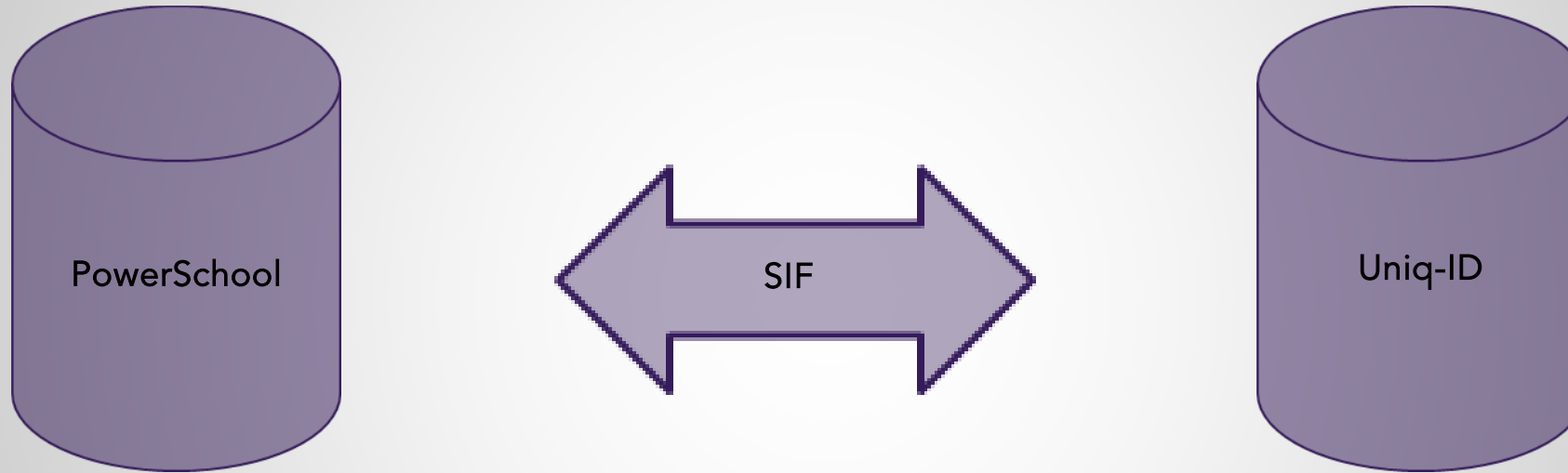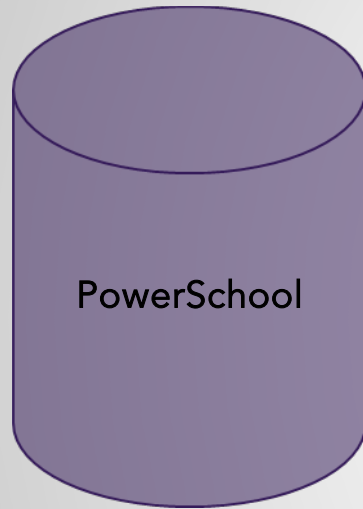
Enterprise grade - Fast

SLOW

Enterprise grade - Fast

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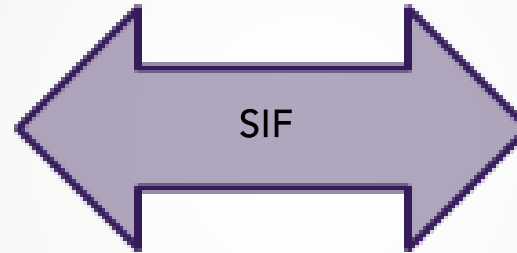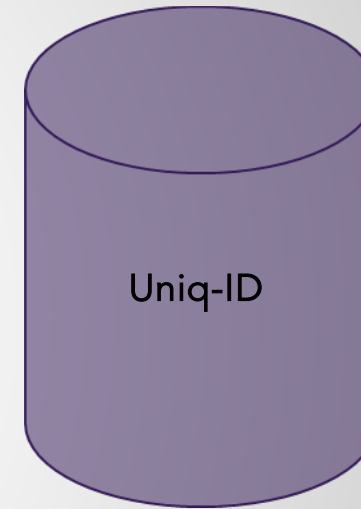
Problems/ Resolutions

Performance –
With SIF we just don't get the speed we need.

With SIF – Large districts take hours to move data. Biggest districts take almost 2 weeks.

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Problems/ Resolutions

Performance –

With SIF we just don't get
the speed we need.

Without SIF – Our largest district can move all
students through the system in under 2 hours.
That's all students whether they have an ID or
not.

Problems/ Resolutions

Performance –
How did we achieve it?

Largest district 80,000 students – 2.5 hours – from upload to match resolution.

Created software to extract needed data from district PowerSchool, format for eScholar – Uniq-ID, and upload.

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Problems/ Resolutions

Performance –
Why did we do this?

During the start of school, we have a short window to get students IDs.

Other programs and services require an ID at start of school.

We were being killed by a slow system and needed to speed things up.

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The Future

We plan on developing a direct integration solution between eScholar and PowerSchool.

The Future

We plan to expand the use of Uniq-ID to other programs.

- Pre School programs
- Teacher ID
- University Students