

2016 Ed-Fi Summit

Session: Community Initiatives to Develop a Rules Engine

Presenters:

Dan Retzlaff - Director of Applications Development
Dirt Bradley, KRESA



WISEdata

Wisconsin Information System for Education

Identifying Gaps

Ed-FI API and Data Model

Significant foundation block

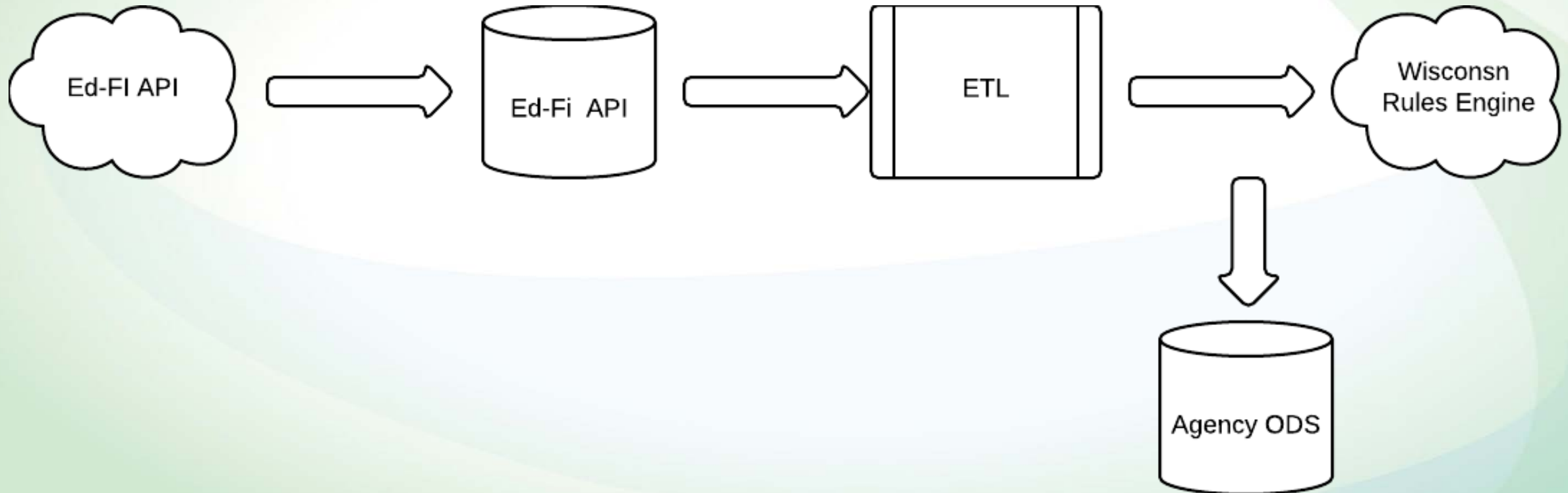
Gaps the Wisconsin team had to fill

Application Credentialing

Data Quality Portal

Rules Engine

Data Flow



Example Rule

```
public override IQueryable<ValidationModel> GetInvalidEntities(ValidateRuleContext context)
{
    var invalidEntities = OdsContext.Query<StudentProgramAssociation>(true)
        .WhereInSchoolYear(context)
        .WhereInAgency(context)
        .WhereActive()
        .Where(s => s.ProgramTypeId == (int)ProgramTypeEnum.SpecialEducation)
        .Where(s => s.EndDate < s.BeginDate)
        .ProjectValidationModel(context);

    return invalidEntities;
}
```

Continue the conversation

Where we want to be in the future

- More L1 Roles handled up front in the API

 - Easier to read messages

- Standard validation message framework for L2 rules

- Ability for vendors to pull down L2 rules via API

- Rule engine as part of the community focused on :

 - generic data quality issues

 - baseline rules engine focused on federal reporting requirements

