Minute School’s Recommendation System Based on xAPI LRS

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Social: #ADLiFEST | WiFi: HILTON_MEETING / Password: ADLiFEST
Introduction

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Recommendation System

Activity Data -> Recommendation System -> Application

Student, Educator, Admin
High Level Architecture

- App
- Course Materials
- Activity Logs
- Recommendation System
- Reports
- Recommendations

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Recommendation System

Course Materials

Activity Logs

Scores

K: 0.85
S: 0.6
A: 0.8

Content Recommendations

Adaptive Assessments

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Recommendation Engine
Connections
Client Integration
External System
Intermediate LRS
Documents, Audio, and Video
Access Statements and Documents
Push Recommendations
Push Recommendations
Polling Methodology

Recommendation System → API → LRS

Process Statements

Get Since Time

Response
Polling Methodology

Recommendation System → API → LRS
- Process Statements
- Get Since Time
- Response

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Network Saturation

**Statements/Second**

- **Time**
- **Statements/s**
- **Network Usage %**

**Network Usage %**

- **Time**
- **Network Usage %**
Intermediary LRS
Intermediary Storage
Overall Architecture
Overall Architecture
Thank You

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