Introducing CCC Data
Introduction

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Introducing CCC Data

CCC Data, supported by the Data Services Program (DSP) initiative from the California Community Colleges Chancellor's Office, provides our Colleges with access to critical data used to support institutional decision-making aligned with the CCCC CO Vision for Success.
### Overview CCC Data

#### Data Pipelines
- Several proven methods available to integrate data with CCC Data
- Extract, Transform, and Loads data
- Runs nightly (or more frequently)

#### CCC Data Warehouse
- Structured source of master data segmented by MIS code
- Connects data to generate reports and analytics for end-users
- Built on Amazon AWS Redshift

#### CCC Data Lake
- Collects data, preserving changes
- Used to power Data Warehouse, Data-Marts, and analytics
- Built on Amazon AWS S3

#### Report Server (Optional)
- Researchers can connect their own tools or use the Report Server
- Business intelligence tool
- Provides access to data in the Data Warehouse
- Built on Tibco Jaspersoft
Data Supported in CCC Data

- CCC Apply Credit & Noncredit Application
- CCC Apply International Application
- CCC Apply Promise Grant
- Multiple Measures/MMPS placement data
- MyPath usage data
- Canvas (learning analytics)
- COCI (courses and programs)
- C-ID (articulations)
- CCCCOCO-MIS
- Cal-Pass+ (K-12)

Availability pending governance
Integration pending MOU
Available to colleges 20/21
The CCC Data Platform (in production)

Data Pipelines (SuperGlue) -> CCC Data Lake (S3) -> CCC Data Warehouse (Redshift)

Optional CCC Report Server (Jasper)

Researcher DW Direct Connect (ODBC/JDBC access)

Gartner Logical Data Warehouse

CCC Apply (app/intl/Promise Grant)
MMPS
My Path
COCI
C-ID
MIS
Canvas (1 per college)
Data Warehouse Report Server
Requesting Access to DW Report Server

College/District Researcher Access: CRM@ccctechcenter.org
Chancellors Office Researcher Access: mcohen@ccctechcenter.org
<table>
<thead>
<tr>
<th>Month</th>
<th>CCC Data Version</th>
<th>Features</th>
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| Aug   | CCC Data 1.4.1   | - DW Report Server (Jaspersoft)  
- Two-factor authentication  
- CCC Apply (app, intl app, fee waiver), Multiple Measures, LGBTQ+ data |
| Sep   | CCC Data 2.0     | - Direct (ODBC/JDBC) Data Warehouse Access for CCC colleges and districts |
| Oct   | CCC Data 2.1     | - COCI, C-ID (DW & DW Report Server)  
- College Canvas data support (DW & DW Report Server) |
Introducing the Data Warehouse

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