



Product Status

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Agenda

- Original Roadmap
- Q1 + Q2 Achievements
- Plans for Q3 + Q4

Fabric Original 2021 Roadmap – 5 Key Values

Modernization

- 1 Studio Over The Web
- 2 Embedded ADI within Fabric



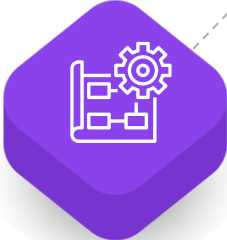
Ease Of Operation

- 3 DevOps Improvements



Ease Of Implementation

- 4 Fabric Apps
- 5 iidFinder 2.0



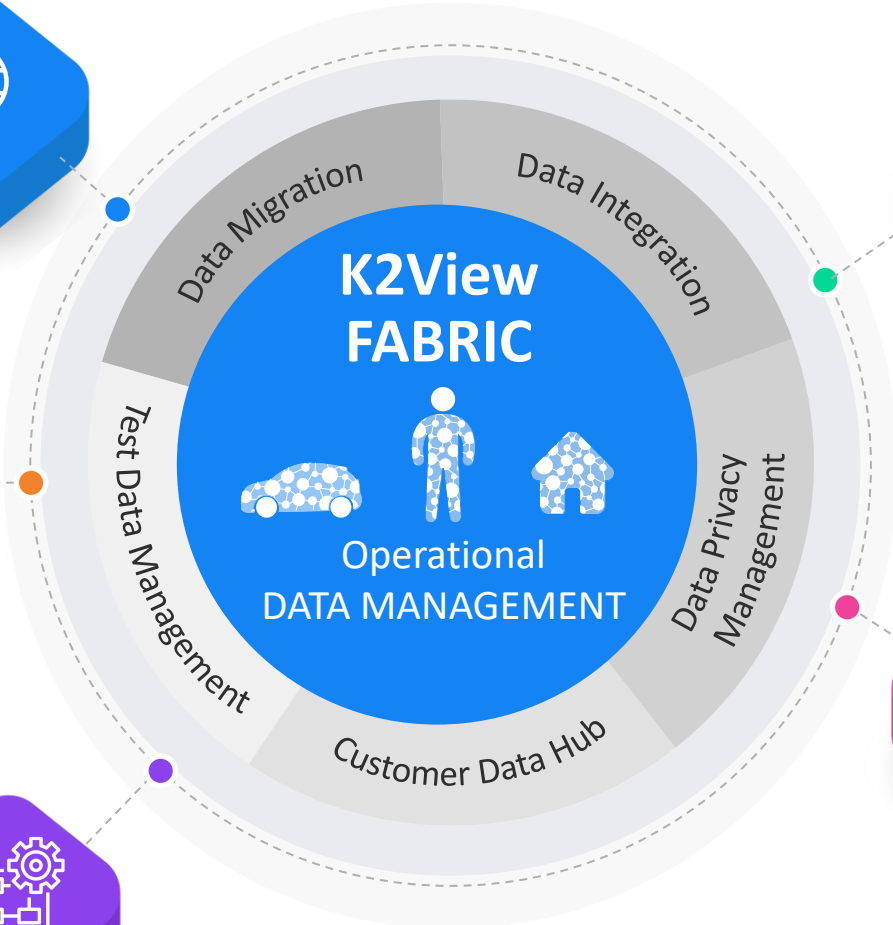
Security

- 6 New Auth & Auth



Customers/ Market Requirements

- 7 Catalog
- 8 Partners & Channels
- 9 Data Discovery
- 10 Reporting Tool





Q1 + Q2 Achievements



Delivered Releases

- Fabric
 - 4 maintenance releases (6.2.4, 6.4.1, 6.4.2, 6.4.3)
 - 3 minor releases (6.3, 6.4, 6.5)
- TDM
 - 1 major release (7.0)
 - 1 maintenance release (7.0.1)
- ADI
 - One minor release (2.13)



Data Catalog

- Our data catalog tool automatically discover and visualize the meta data structure, and the relationships between its entities – for all of the data assets managed in the [K2View Data Fabric](#).
- The resulting data catalog is easy to navigate and search, enabling data teams to find and understand the datasets they need for the purpose of driving operational use cases.

The screenshot shows the K2VIEW Data Catalog interface. At the top left, there is a search bar and a navigation menu. The main area displays a complex hierarchical diagram of data assets. The diagram uses colored circles to represent different types of entities: Project (P), Schema (S), Table (T), Column (C), API (A), API Field (AF), Interface (I), Interface Schema (IS), Interface Table (IT), and Interface Column (IC). Lines connect these entities to show relationships, such as 'Contained' (blue line) and 'Uses' (green line). A legend on the right side of the interface explains the symbols and line types. The 'Properties' panel on the right shows details for the selected 'Customer' schema, including its name, ID, type, and project.

Properties

Expand Focus Clear

Name: Customer

Id: PROJECT:DEMO_LATEST.SCHEMA:Customer

Type: SCHEMA

Project:

Legend

- P Project
- S Schema
- T Table
- C Column
- A API
- AF API Field
- I Interface
- IS Interface Schema
- IT Interface Table
- IC Interface Column
- Contained
- Uses
- Population Keys



Broadway

- Already in use by 8 projects with a proven production
- Main new features
 - Recovery point
 - Actors parallel execution within a stage
 - Many new actors and modifications of existing actors
 - Robust error handling Actor
 - Statistics actors
 - Profiling
 - Capture statistics – JMX



Broadway - cont.

- Tracing
- Masking and Sequences built-in actors
- Improvements on transactions and Flow iterations management
- Actor Editor
- Flow Validation
- Live Debug
- Run Result Window



iidFinder

- Major performance improvements
 - Delta partition solution
 - Store iid on cache tables when available
 - Support for a higher number of many to many parent and child relationships



Security

- Fabric encryption algorithm can now be set as FIPs certified, implemented by Bouncy Castle FIPS Java API 1.0.2.1, holding CMVP (Cryptographic Module Validation Program) Certificate #3514.
 - Fabric supports several Identity and authentication providers:
 - **Fabric**, using its repository (default).
 - **LDAP**, via LDAP integration.
 - **ADLDAP**, via Active Directory (AD) LDAP integration.
 - **SSO vis SAML**, for Web and WS access. Done via SAML IDP integration.
- Fabric is ready to work with commonly used and major IDPs such as Azure and Okta.
- Auditing refactoring and logging more activities (such as: login failures)



Miscellaneous

- HTTP interface authentication (oAuth, Bearer)
- Global overrides per environment
- Data Editor application
- Event functions
- Fast Local Deploy
- Templates
- ps (thread=<id>) command enhancements show the task's Java thread stack trace.
- Cache location per LU
- Added an optimization mechanism to ensure a better balancing of jobs within a Fabric cluster
- Added the ability to run parallel “gets” from a different LU type and to be able to run a merged query on the same session
- Studio Break Points panel
- Query LUI without GET
- Performance improvement for big LUIs (parallel reads from Cassandra)



TDM 7

- Fabric E2E solution (ADI embedded within Fabric)
 - One Platform for TDM Development
 - Supports Various Data Source Types
 - One Generic JDBC DB Interface Standard
 - Auto Discovery
 - Cassandra DB Load – Performance Improvements
 - Adding New Templates to Automate TDM Development
 - Flexible Error Handling Mechanism
 - Flexible Statistics Mechanism
 - Robust Data Masking and Sequences Libraries
- Security Improvements
 - Adding SSL Connection to LDAP
 - HTTP Interface Authentication



New support site

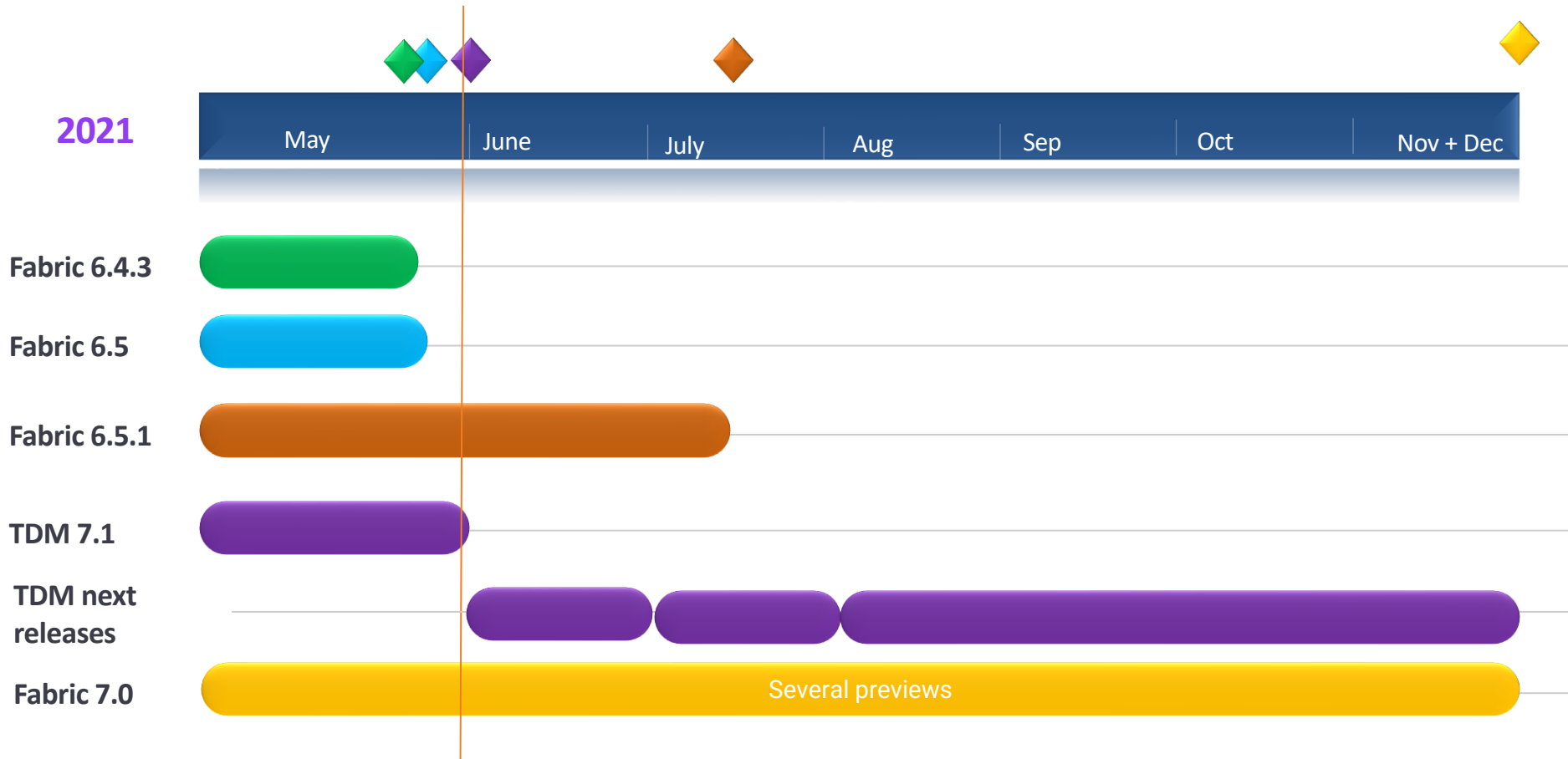
- Knowledge Base
- Community
- Freshdesk – defects/CRs
- Q&A
- Academy



Q3 + Q4 Plans



Releases Timeline





Fabric next minor release – GA 15/July

- Data catalog layout + Face Lift
- Graphit new Themes prep for movement to the web.
- Test connection for all interfaces (plus non-DB)
- Fabric watchdog
- Integration with Exago



Fabric next major release – GA 30/Dec

- Web Studio – Theia Integration
 - Graphit, Broadway, Interfaces, Schema
- Fabric Orchestration – movement to the cloud
- Kafka/Queue Abstraction Layer
- Java upgrade
- LU Apps - Static Web, WS, Interfaces, Shared, Common, Compiled
- Auto Discovery Java Framework + Plugin(s)
- Astra (Cassandra Driver 4.0)
- lidfinder productization
- Fabric E2E solution for migration projects



TDM 7.1 – End Of May

- TDMGUI – over fabric web framework
- Alignment with SAML/LDAP (LDAP Authentication is done in Fabric instead of TDMGUI)
- Alignment with latest PostGres release (13.x instead of 9.6)
- API documentation improvement [Schwab]



TDM Next releases

- New APIs to support TDM execution by external systems
- Support group auth
- Reserve instances
- Data Manufacturing
- Adding more plug-ins in Fabric to automate implementation effort