

fedora



The Fedora Repository Architecture

Chris Wilper, Cornell University
Fedora Training @ Yale University
May 2nd, 2007

Interface

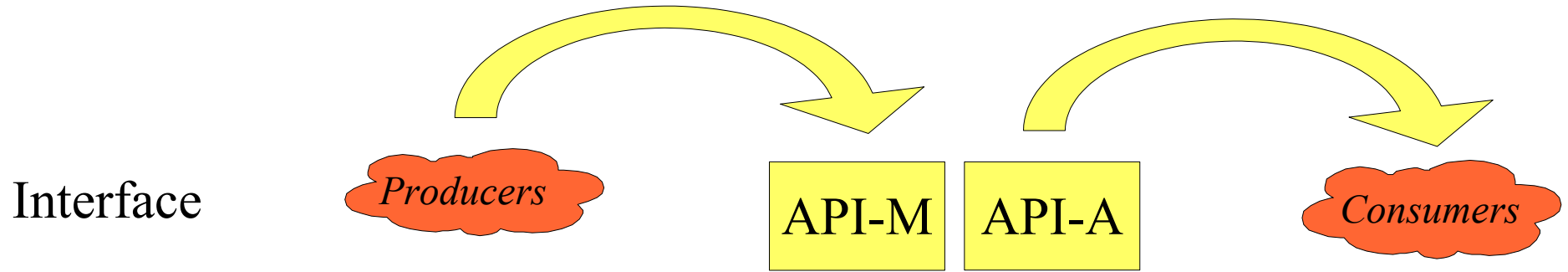
How is the repository exposed?

Trust

Logic

Persistence

Functional View



Trust

Logic

Persistence

Technical View

Interface

HTTP / HTTPS

HTTP / SOAP

Transport

Message Format

Trust

Logic

Persistence

Interface

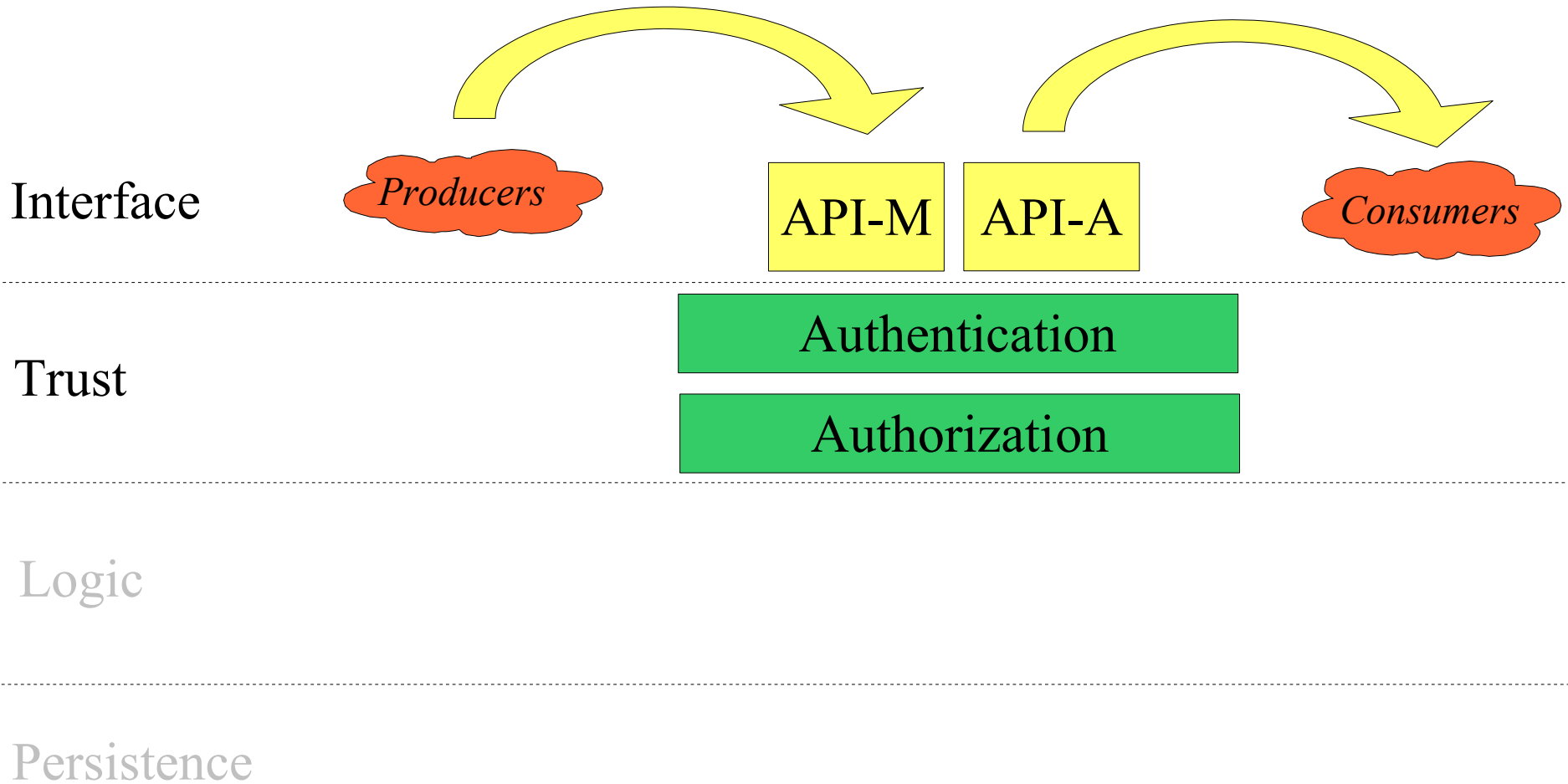
Trust

How can it ensure appropriate access?

Logic

Persistence

Functional View



Technical View

Interface

HTTP / HTTPS

Transport

HTTP / SOAP

Message Format

Trust

HTTP Basic AuthN

Authentication

Sun XACML Engine

Authorization

Logic

Persistence

Interface

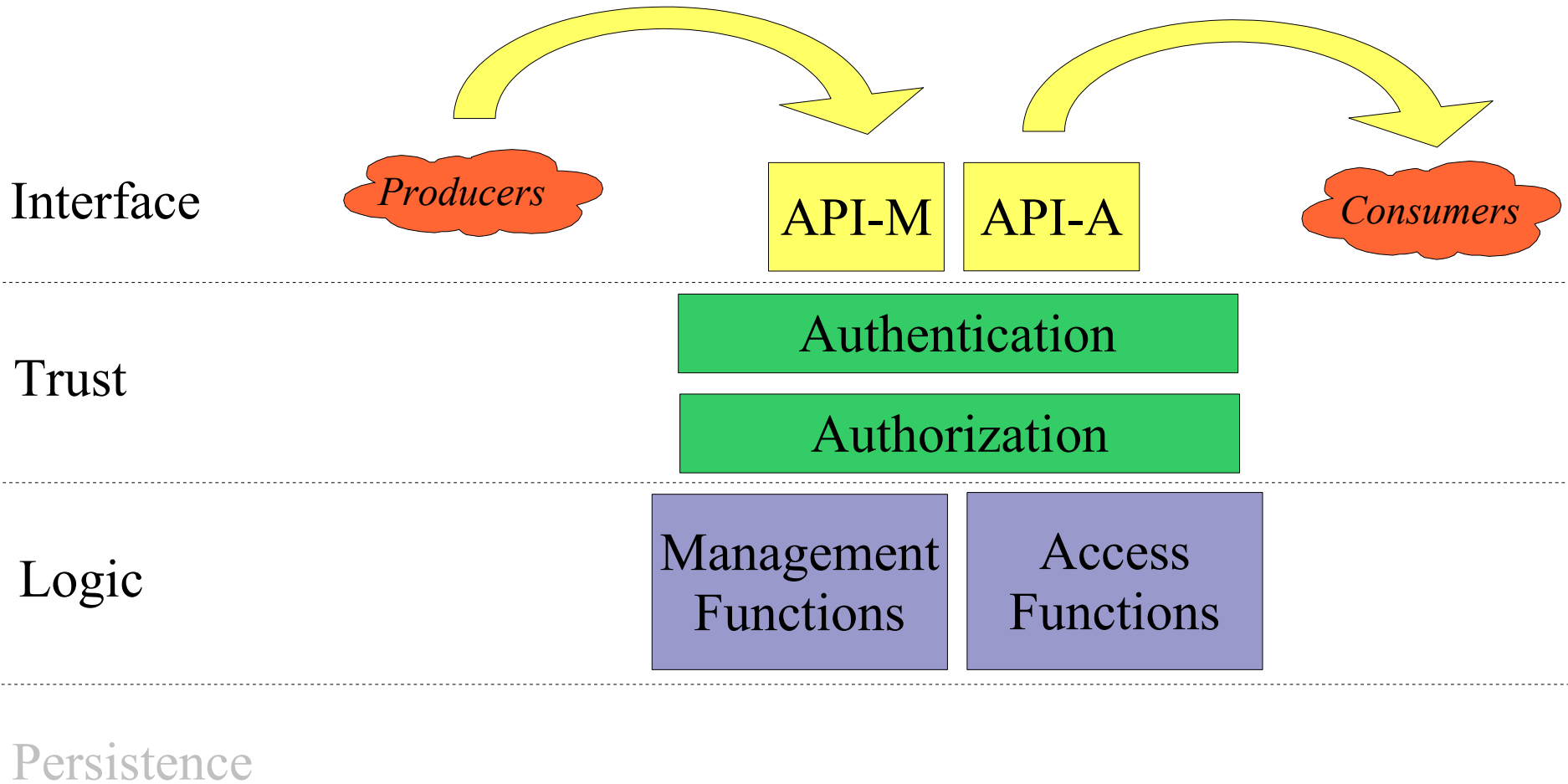
Trust

Logic

How is data manipulated to fulfill requests?

Persistence

Functional View



Technical View

Interface

HTTP / HTTPS

HTTP / SOAP

Transport

Message Format

Trust

HTTP Basic AuthN

Authentication

Sun XACML Engine

Authorization

Logic

Fedora "Module" Interface

Management
Module

Access
Module

Persistence

Interface

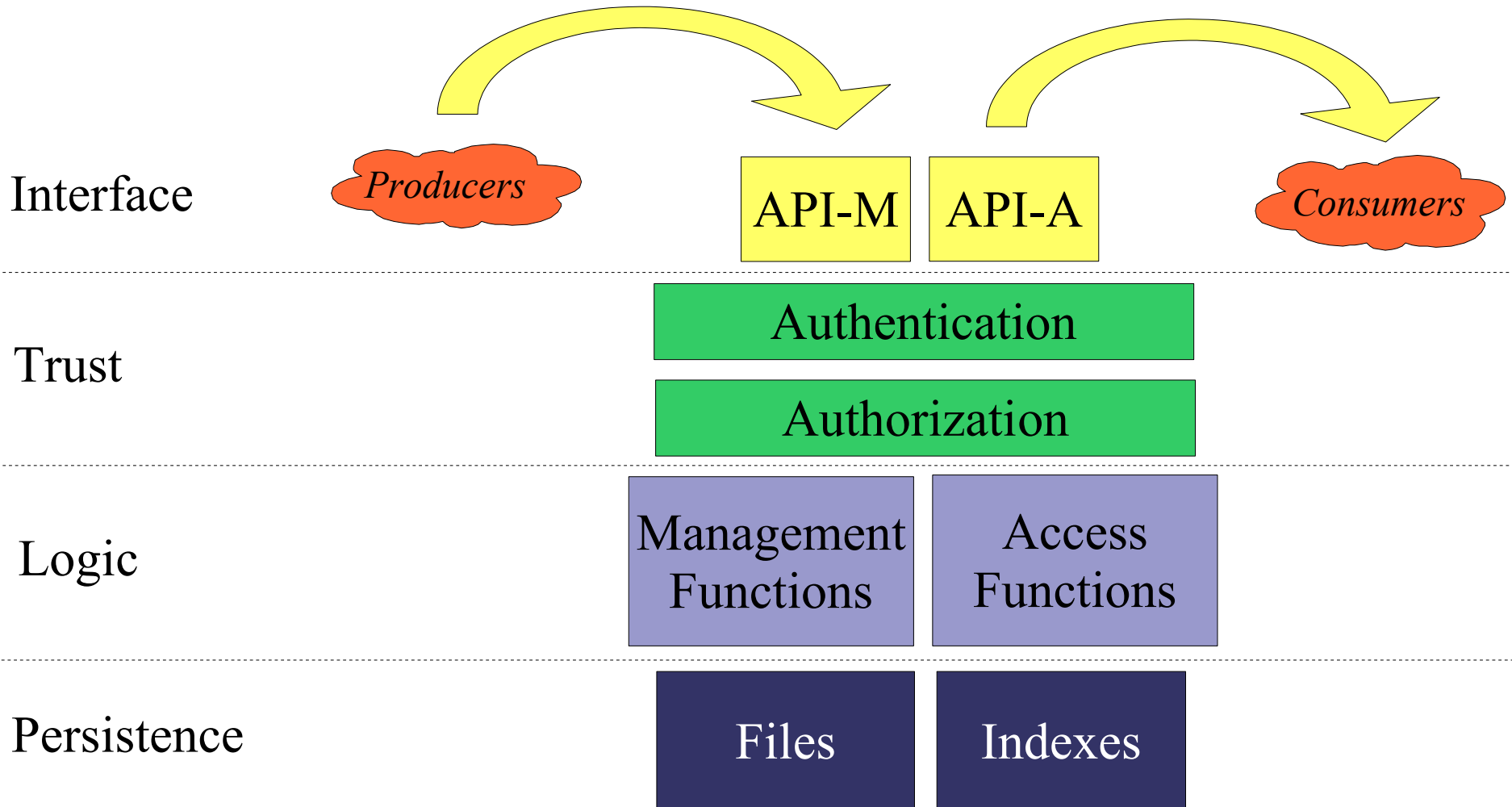
Trust

Logic

Persistence

How is the data stored?

Functional View



Technical View

Interface

HTTP / HTTPS

Transport

HTTP / SOAP

Message Format

Trust

HTTP Basic AuthN

Authentication

Sun XACML Engine

Authorization

Logic

Fedora "Module" Interface

Management
Module

Access
Module

Persistence

"LLStore" interface

Filesystem

SRB

FOXML and Binary Files

JDBC

RDBMS

Database Indexes

Trippi

Triplestore

