Avalon 7
Realigning with Samvera

The Project

The Avalon Media System is an open source system for managing and providing access to large collections of digital audio and video. The freely available system enables libraries and archives to easily curate, distribute, and provide online access to their collections for purposes of teaching, learning, and research. The Avalon community is made up of a dozen educational, media, and open-technology institutions. The project is led by the libraries of Indiana University Bloomington and Northwestern University and is funded in part by a grant from The Andrew W. Mellon Foundation and a grant from the Institute of Museum and Library Services.
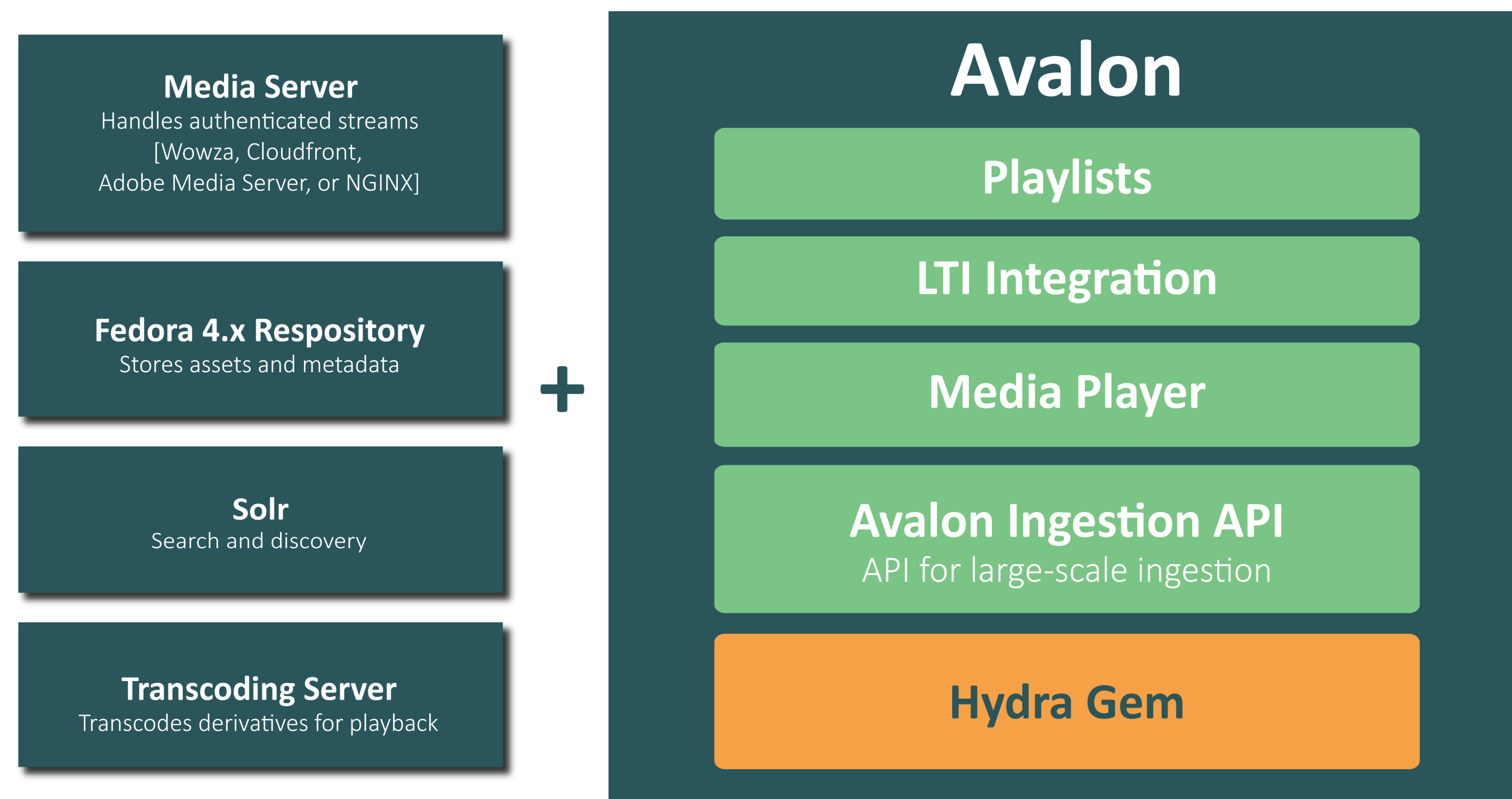
Our Approach

Primary software development is currently with Indiana University and Northwestern University, with potential contributions from several other implementation sites. With release 7 we plan to transition primary development and support to a self-sustaining open source community. Broad community engagement and adoption are the most important means of ensuring the ongoing availability and maintenance of any open source system; to this end, rather than a monolithic codebase with a "black box" architecture, the Avalon Media System will be realigned with Samvera code to facilitate contributions from the whole Samvera community of developers.
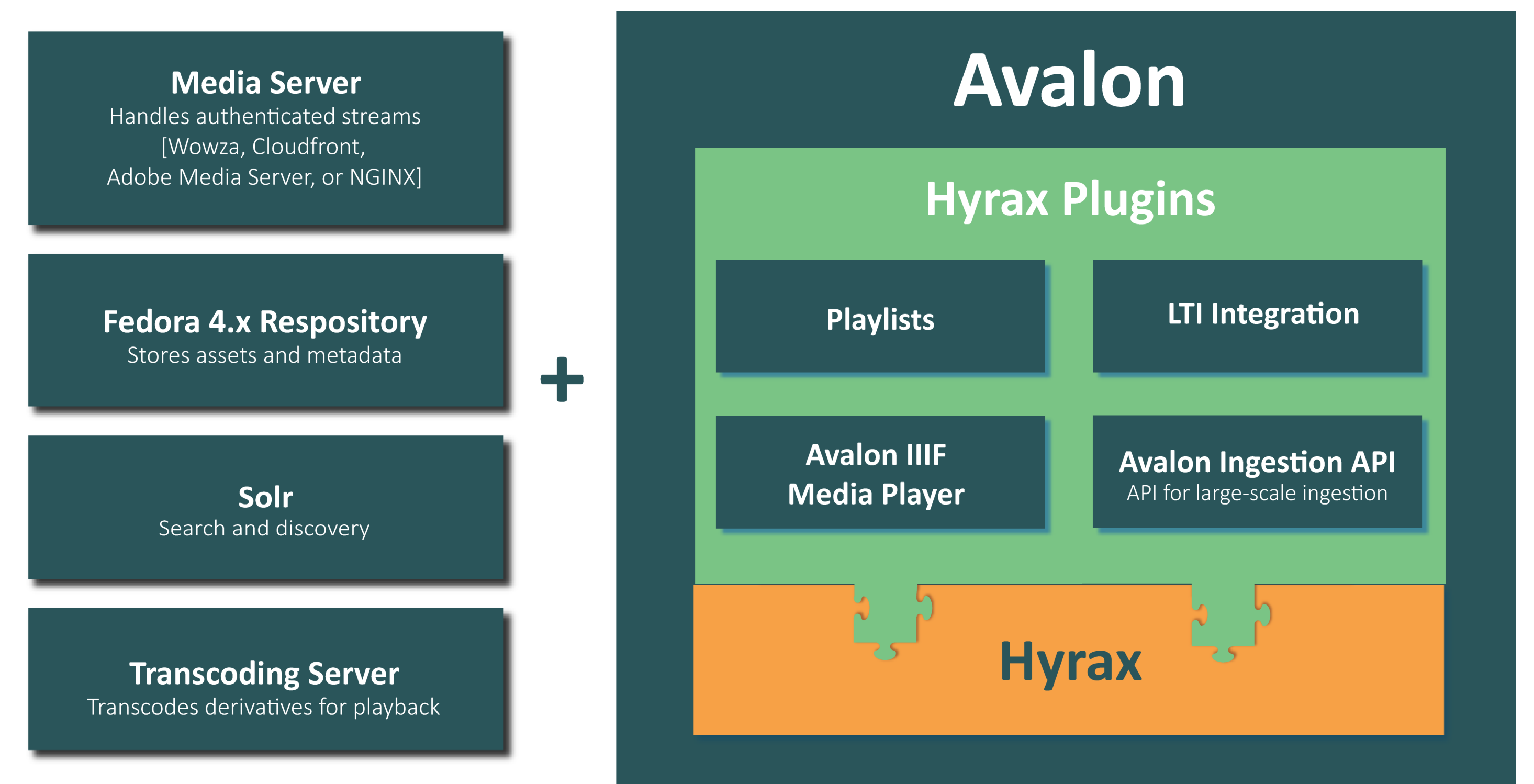
Avalon 7

Our goal with Avalon 7.0 is to offer a full-featured media streaming application based on the modern Samvera stack. To this end, Avalon 7 will be built using Hyrax as a base, offering developers an environment they know and understand and offering administrators the flexibility to run stand-alone streaming solutions or integrate scalable streaming into existing Hyrax/Sufia repositories. As we work toward full-feature parity with Avalon 6.x, we will continue development and support.

Avalon 6 Solution Bundle - Built on the Hydra Gem

Media Server
Handles authenticated streams
[Wowza, Cloudfront, Adobe Media Server, or NGINX]

Fedora 4.x Respository
Stores assets and metadata

Solr
Search and discovery

Transcoding Server
Transcodes derivatives for playback

+

Avalon
- Playlists
- LTI Integration
- Media Player
- Avalon Ingestion API — API for large-scale ingestion
- Hydra Gem

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Hyrax

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avalon
MEDIA SYSTEM

IU INDIANA UNIVERSITY

Northwestern

THE ANDREW W. MELLON FOUNDATION

INSTITUTE of Museum and Library SERVICES