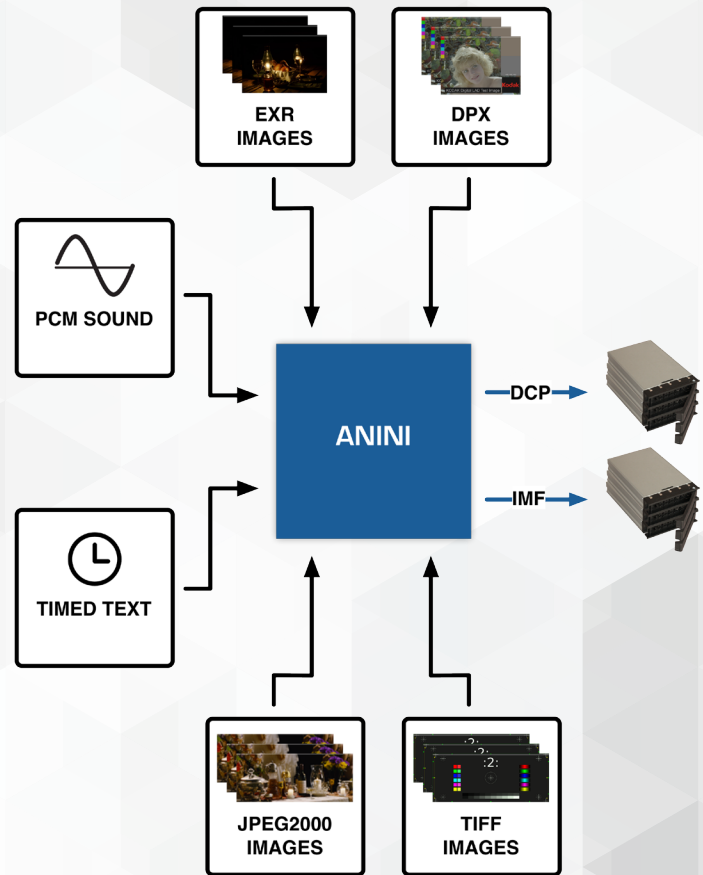


ANINI

IMF/DCP PROCESSING NODE

COMPRESS ■ WRAP ■ AUTOMATE

- Complete automation of IMF and DCP mastering features
- Includes Wailua and Ki'i Python APIs
- RESTful control system using JSON or XML
- Intelligent scheduler makes efficient use of resources
- Runs on your Linux or OSX hardware
- Supports Third-Party hardware acceleration via GPU or FPGA



Anini is a highly reliable and flexible task management solution for centralized IMF/DCP mastering and content preparation. Post-production and mastering users can deploy Anini to automate mastering processes, and cloud-based service providers can offer Anini-based DCP and IMF mastering capabilities to their customers.

Service-Oriented Architecture frameworks are setting new standards for efficiency, and Anini allows CineCert's customers to extend that efficiency into DCP and IMF mastering and packaging operations. Anini's deep customization capability provides the flexibility necessary to quickly address specific workflow needs to maintain the competitive advantage.

WORKFLOW

Anini operates on files via local and remote filesystems. A typical deployment uses a central Storage Area Network to hold project files which are created and manipulated by various authoring platforms including Anini. Anini is typically controlled by a workflow orchestrator or watch folder monitor. Anini capabilities can be scaled by adding additional units to the same SAN.

REST CONTROL INTERFACE

Remote processes can control and monitor Anini tasks and system resources via the built-in HTTP server. Anini commands use JSON or XML document types to allow convenient interface with popular control environments. Anini tasks can also be configured to perform callback actions upon completion or failure, allowing controllers to be notified of system events without polling.

Also included is a GUI component that uses the REST API to present a graphical view of Anini's current status and provide task control options such as run/stop and priority elevation. This interface is available from Anini's HTTP server, allowing convenient monitoring from any browser-equipped client.

COMPREHENSIVE PROCESSING CAPABILITIES

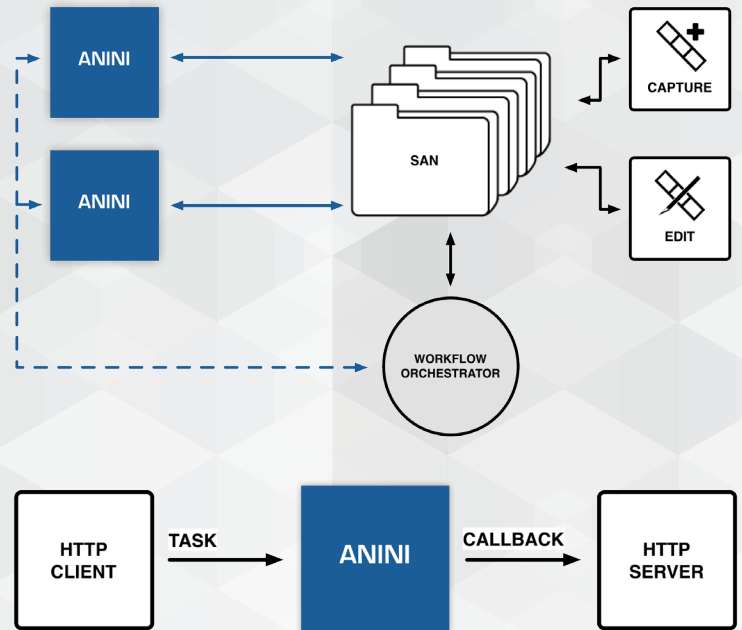
Anini includes the Wailua and Ki'I Python extensions, which provide complete reference-standard implementations for DCP and IMF mastering, from uncompressed images through encrypted package.

Ki'i combines image accessors for TIFF, DPX, Cineon and OpenEXR file formats, the academy CTL image processor, JPEG 2000 compression, and dozens of convenience features in a comprehensive API for motion picture image mastering.

The Wailua module allows users to create, consume and analyze the many components of the IMF and DCP standards, including AS-DCP Track Files and AS-02 Essence Component files, subtitle files, composition playlists, packing lists, asset maps, key delivery messages, IMB security logs, RSA key pairs, X.509 certificates, and much more.

RICH PYTHON ENVIRONMENT FOR MASTERING

Anini is delivered with a complete set of DCP and IMF package mastering scripts for image transformation, compression, wrapping, composition, packaging, testing, and more. Anini's Python environment allows customers to define virtually any process, using features from the vast global library of free and commercial Python extensions and customers' proprietary extensions.



The screenshot shows the 'CineCert ANINI - Task Viewer' interface. It features a 'Task List' table with columns for Mode, PID, Name, and Last Update. The table contains four rows of task data, with the third row highlighted. Each row has control buttons (refresh, delete, and a pause button for the running task).

Mode	PID	Name	Last Update
Stopped	0	cinecert_com/compress	2014-06-12T01:24:08+00:00
Success	0	cinecert_com/compress	2014-06-13T15:59:59+00:00
Success	0	cinecert_com/compress	2014-06-13T18:22:21+00:00
Running	909	cinecert_com/compress	2014-07-29T15:55:02+00:00

The screenshot shows the 'CineCert ANINI - Task Detail' interface. It displays detailed information for a specific task, including task-id, process-name, process-id, run-mode, local-host, remote-host, holdoff-sec, and last-update. Below this, there is a 'Messages' section with a 'clear' button and a list of log messages.

Detail:			
task-id	4e460f54-6232-4a05-ae1-0592e92f6e0a		
process-name	cinecert_com/compress		
process-id	0		
run-mode	Success		
local-host	192.168.2.66:8084		
remote-host	192.168.2.231:51033		
holdoff-sec	1		
last-update	2014-06-13T18:22:21+00:00		

Messages: clear			
ALERT	2014-06-13T18:21:54+00:00	300 frames, 23.08 fps.	
NOTICE	2014-06-13T18:21:54+00:00	Writing j2c file "/d0/jh/anini-out/req-2.000299.j2c".	

BUILT FOR YOUR HARDWARE NEEDS

Anini requires Linus or MacOS X. Custom hardware provisioning is available on a consulting basis.