

Anystream Agility 2G™

Web Services API

Anystream Agility 2G (Agility 2G) from Grab Networks features a Web services API which enables quick deployment and seamless integration with existing systems. Achieve maximum flexibility and control to manage workflows directly or through other enterprise applications such as asset management systems, editing systems or content management systems. Because the API supports both SOAP and REST, the Anystream platform fits naturally into a service-oriented architecture (SOA).

API Status and Control Interfaces

Job Submission	<ul style="list-style-type: none">• Cancel/Delete Job• Change Job Priority• Control Live Capture Scheduling System• Error Status Message• Job/Timed Job Submission• Live Webcast Jobs• Package Jobs (VOD Packages)• Percent-Complete Status• Profile List	<ul style="list-style-type: none">• Reschedule Job or Failed Tasks• RS422 Deck Control Jobs• Single and Multiple Jobs (One or Multiple Sources)• Source/Output Accounting Status• System Status• Timed Job Control (Delete, Pause, Resume)• Video Capture Jobs (via SDI or HD SDI)
Playlisting	<ul style="list-style-type: none">• Convert Image Sequences Into Video• In/Out Point on Each Clip (Offset or Timecode)• Sequence Clips	<ul style="list-style-type: none">• Specify (Additional) Audio Tracks on Segment Basis• Use Still Image as Video for Specified Duration
Video Processing Enhancement Controls	<ul style="list-style-type: none">• Control Fingerprint Extraction• Control Flash Variable Based on Timecode• Control Forensic Watermarking• Control Transitions• FTP Get/Put• In/Out Points• Multiple Destination Locations• Output Naming Control	<ul style="list-style-type: none">• Specify AC3 Files• Specify Caption Files• Specify Custom Metadata Fields• Specify Graphics Overlay Files• Specify Subtitle Files• Specify SWF File for Graphics Overlay• Specify V-chip and CGMS-A• Timed Submission
Status Monitoring	<ul style="list-style-type: none">• Customize Log Format and Destination• Different Locations for Error/Success• HTTP Post/Secure HTTP Post	<ul style="list-style-type: none">• TCP/UDP/E-mail Notification• XML Document on Job Completion with Details (Duration, Formats, etc.)

The Agility 2G API can be customized in two ways. The first is through XSLT, the standard XML transformation language. With the addition of a simple XSLT file you can enable custom XML input to control the Agility system. The second method of customization is through the development of .Net-based custom planner plug-ins.

Three functionally similar interfaces in the API allow flexibility in communication with the Agility platform:

- **SOAP:** The industry-standard Web service interface.
- **REST:** An HTTP based get/post interface that provides a much simpler interface than SOAP and can be used from JavaScript and other interfaces that do not support SOAP.
- **Yak2:** A command line interface.

All three of these interfaces share a common backend layer and can leverage all the new capabilities of the Agility 2G API. In addition to these interfaces, the new submission capabilities may also be used in the folder attendant application by configuring it to submit jobs through the REST API.

Anystream Agility

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