

Features Overview

(Convert these to Agile Stories)

	Core Features for Beta Release	Core Features V1.0 Release	Planned V2.0 Features	Under Evaluation
Azure DevOps Processes	Use Azure DevOps tools to automate software development and deployment, source control, versioning & releases	Documented procedures and commitment to continuous improvement in development processes		
	Resume using the Azure DevOps Scrum or Kanban based development process			
	Use package manager for all the open source software distribution & updates needed	Use a package manager to install and update SportsPip specific code		
	Need an installer for Linux w/ Docker; Strapi, the MEAN stack, common utilities, and the SportsPip apps and services			
	Implement an automated test capability using Azure DevOps			
	Start a Microservices implementation for all the software we are using or building	Deploy release with a complete Microservice architecture		
Linux Platform	Start with basic system logging and reporting capability	Use experience to take the logging and reporting to production level		
	Remote diagnostics and support to troubleshoot and repair customer systems	Some type of 2FA capability (to provide secure access to on premises server)		
		Need GUI app and console scripts for basic end user system administration		
		Some type of watchdog and recovery capability for Linux server and Docker		
	Understand the security requirements to protect system from internal and external users	Network security including firewall and authentication		
Long Running Video Content with Metadata Capture	Create PIP with IP camera capture service (<i>migrate from Windows service to Linux</i>)	Strapi scheduled events to start automated IP camera recording		
		Support dynamic allocation of IP cameras to location groups		
	Evaluate using other types of RTSP streaming devices, such as camcorders	Add support for RTSP streaming from camcorders with Wi-Fi capabilities (<i>possibly same as Windows IP camera</i>)		

	Create PIP & metadata with iPhone and Android, add iPad and features like unlimited clips (<i>migrate from Windows to Linux</i>)	Need to expire and delete transferred files due to potential for larger packages when recording long running events		
	Add support for multiple contributors to a single PIP, allow content to be added over extended period of time (hours/days)	Strapi scheduled events to enable iPhone and Android upload to a shared PIP with ability to upload photos and audio		
	Add real time tags to events so they can be reviewed by coaches during the game or in between periods or matches	Use iPad to insert timestamped metadata in shared PIP to match video and play for coaches review		
Real-Time Live Game Distribution Options	Add real-time file transfer from server to coaches on sideline with tagged data (for game time review on iPad, Win10)			
		Live streaming video and tags to coaches on sidelines from Linux server (for game time review on iPad, Win10)	Allow live streaming video to fans from Linux server using app during game	
		Console preview screen showing active streams and system utilization		
Local Campus Content Access to Win10 and Streaming Video	Reliable PIP upload and download transfer service between Linux & Win10 editing (<i>refactor based on Linux open source</i>)		Reliable PIP upload and download transfer service between Linux & iPad app	
		Reliable PIP streaming between Linux server & client apps using the local campus streaming service		
Cloud Based Content Access to Win10 and Streaming Video		Reliable PIP upload and download transfer service between Linux Server or Win10 and the Azure cloud (<i>refactor of the current Azure service</i>)	Reliable PIP upload and download transfer service from Linux and Azure to iPad	
		Automated email and app notification with links to download PIP to Win10 player (or watch streaming video content when available)	Streaming highlight videos to fans from cloud archive after game is completed	
		Client admin app to manage and maintain Azure content		
General Video Streaming			Live streaming via integration with OBS or similar services or tech	

			New streaming production console app for broadcast style graphic effects	
Basic PIP Admin	Add retention metadata to PIP at creation based on category	PIP backup, restore and cleanup of expired content services using NAS	Transcode video from 4K to 1080P video using NAS	
	Display PIP in Strapi template by category and filtering (current sprint)			
PIP Player and Editing Application	Win10 client with playback features, radial menu and canvas objects with minor compatibility updates <i>(enhancements to current app)</i>	Add new radial menu features to support advanced tagging with voice narration and view any client history		
		Use tagging data to playback video on timeline like Dartfish or Hudl apps	Use radial menu to generate game summary and statistics for level 1, 2 sports analytics for a few selected sports	Create custom radial menus for each sport with scorekeeping and results reporting to sports management sites
			Compress PIPs to remove footage that is not included in edited timeline	
Community Features			Notification and data updates between coaches and players via mobile app	
				Social media integration with Twitter, Facebook, and YouTube
Advanced Sports Analytics				API to support sensor data from standard IoT devices and wearables
		Create advanced sports analytic PDF reports which are populated by the data from the tagging application		
Licensing and Subscriptions	Allow beta app users to continue use after subscription licensing begins	Some type of licensing features for paid subscriptions and support		
		Support for home and away versions of the Linux server		

Graphics Design	First draft graphics design for Strapi, console and Win10, iOS and Android client applications	Production release graphics design for Strapi, console and Win10, iOS and Android client applications		
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