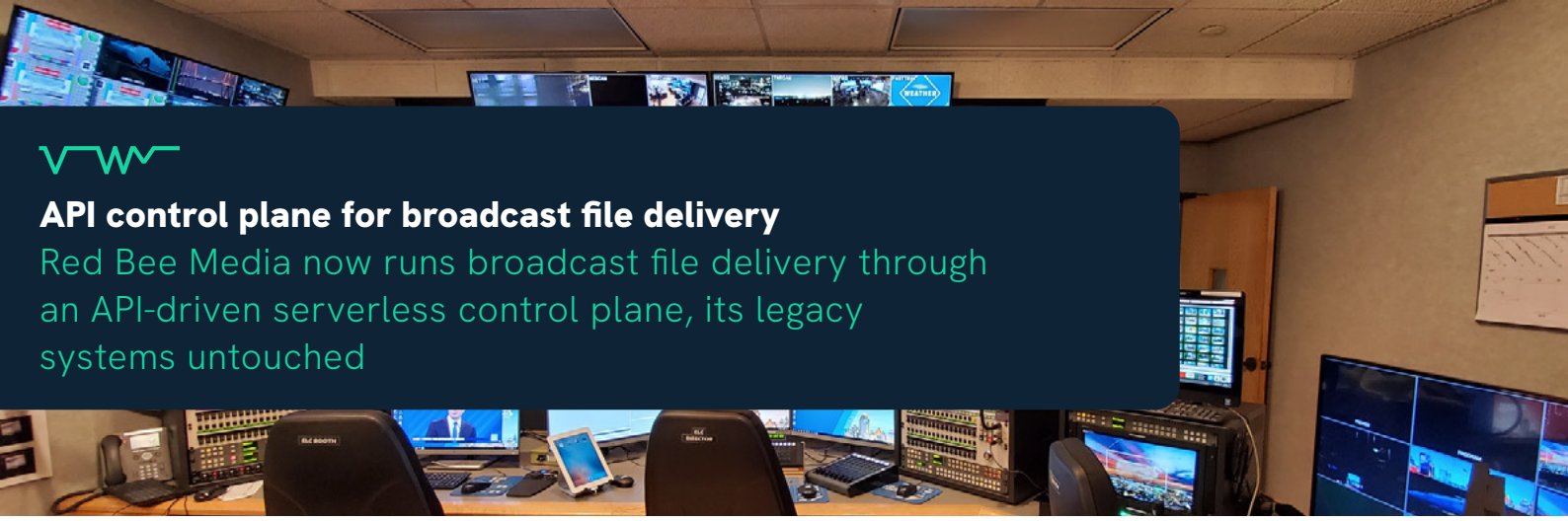


API control plane for broadcast file delivery

Red Bee Media now runs broadcast file delivery through an API-driven serverless control plane, its legacy systems untouched

An API where there was none
Scheduling, media libraries and playout now talk through one control plane.

Legacy left untouched
Go agents wrap each existing system, so no vendor software needed modifying.

Serverless by design
Lambda, DynamoDB, SQS and S3 carry the logic; there is nothing to patch, size or leave running, and cost follows usage.

Built to be owned
Infrastructure as code, an admin panel and monitoring let the operations team run and extend the service.

CHALLENGE

Red Bee Media's Access Services division prepares subtitle and audio description files for a major UK broadcaster. Delivery ran on file drops and hand-offs between scheduling, media libraries and playout, with **no API layer joining them**. A playout refresh demanded one controlled route for those files.

SOLUTION

We built the File Delivery Controller (FDC): an **API-driven, serverless control plane** on AWS. Lambda, DynamoDB and SQS hold the workflow and its state, API Gateway exposes it to operators and monitoring.

Five Go agents wrap Plan Bee, the subtitle library and the audio description compiler so that each legacy system takes part through its existing interface. Terraform builds the infrastructure, and an administration panel, health endpoint and alerts give the operations team the tools to manage it.

0
CHANGES TO LEGACY SOFTWARE

4
EXISTING SYSTEMS INTEGRATED

3
YEARS SUPPORTED IN PRODUCTION

CONCLUSION

The File Delivery Controller gave Red Bee Media queues, shared state and an API between systems previously joined by files and manual hand-offs. The legacy estate ran unchanged while the platform around it became versioned, monitored and reproducible.

We supported the service for three years, then handed it to the in-house team with the documentation to run and extend it themselves.

Thank you for reading

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