BOSS STUDIO TRAFFIC

Feature List & Database Collections

Prepared By

Vishal Nischal

vishal@brightmedia.in

www.bmsinfoglobal.com

Version: 1.0.1

Index

Purpose

This document aims to highlight the features offered by BOSS Studio Traffic and database collections summary. This document can help evaluate the Traffic offerings with other solution providers. We have grouped the features into groups for better clarity.

Traffic Features

Contract

- **Acquisition**
  - Linear Rights Management
  - Non-Linear Rights Management
  - Payment Scheduling
  - Deal Blackout Management
  - Contract Run Report
  - Contract History

Media Management

- **Parent Series Management**
  - Create & Manage different Parent Series.
  - Manage Seasons of the Parent Series
  - Metadata Management
  - Rights Management (Acquisition)

- **Series Management**
  - Create & Manage different Series.
  - Manage Episodes of the Season
  - Metadata Management
  - Rights Management (Acquisition)

- **Program / Movie / Episode Management**
  - Create & Manage different Programs / Movies / Episodes.
  - Segmentation (Regional Restriction)
  - Subtitle Management
  - Metadata Management
  - IMDb Integrated.
  - Cast and Crew Management.
  - Multi-Language Synopsis Management
  - Dynamic Fields Management
  - Capture Metadata in Multiple Languages.
  - Manage Series, Seasons, Episodes, Movies, Independent Shows, Trailers Etc.
  - Manage Markers for Skip Intro, Credits Etc.
  - Rights Management (Acquisition)
  - SCTE Markers.
  - Manage Censorship Details.
  - Create Your Own Fields

- Tournament and Matches Management
- Sports API Integration.
- Match Schedule Management
- Matches Team Metadata Management.

- **Music Management**
  - Create & Manage different Music.
  - Spotify Integration
  - Metadata Management
  - Cast and Crew Management.
  - Rights Management (Acquisition)

- **Short Form Media Content Management**
  - Create & Manage different short forms like Interstitial, Promo, Commercial, Fillers, and Break Bumper.
  - Rights Management (Acquisition) of short forms.

- **Break Management**
  - Create & Manage different category-type breaks like Interstitials, Promo, Commercial, Fillers, Promo, etc.

- **Dummy Management**
  - Create & Manage different short forms like Interstitial, Promo, Commercial, Fillers, and Break Bumper.
  - Manage deal rights of short forms.

- **MAM Asset Management**
  - Create & Manage different MAM Assets.
  - Can be integrated via API or any external files / watch folder approach to sync media with MAM Asset

Planning

- **Planning**
  - Long Form Media Library Access (with filters and filter templates)
  - Planner Grid Preference Management
  - Multi-Channel Planning Option
  - Recursive Planning
  - Repeat Patterns
  - Loop Program Groups
  - Multiple Season Recursive Planning
  - Dummy Slot
  - Cut/Copy/Paste.
  - Change Versions
  - Live Matches Scheduling
  - Auto Repeats Distribution
  - Import Planning Via Template

- User Preference Setting
- Copy Planning Across Channels
- Export Grid, EPG, and Flat Excel.
- Lock/Unlock – Locks or unlocks the selected Planning Grid.
- History – Displays details about past entries for the content.
- Fast Segmentation
- Program Replacement Option
- Update TX Status – Updates the transmission (Tx) status of the content.
- Auto - Planning
- Planning Prime Time Management
- Program Schedule Clash
- Show Event Audit Logs
- Custom Duration.
- View Management (Day, Week)
- Week Start Day Management
- Playlist Start Time Management
- Slot Synopsis
- Exhibition and Repeat Management

Sales

- **Campaign**
  - Campaign/RO Management.
  - Budget Management
  - Spots Visibility
  - FCT Distribution
  - Billing Details Management

- **Booking**
  - Spot Booking By Channel Management. (Rate / Rate10sec)
  - Import Booking By Excel Template
  - Import PDF Booking
  - Rotate Booking
  - Export Saved Booking.
  - Yearly Spot Booking
  - Booking Transfer
  - Updating Booked Spots.
  - Make Good Spots
  - Purge Spot
  - Make Good Spot
  - Change Commercial
  - Estimate Code Management

- **Manage**
  - Brand / Product Management
  - Sales Team / Sales Executive detail management.
  - Agency Management
  - Client Management
  - Spot Optimisation
  - Pending Approval Processing
  - Rate Card Management
  - Sales Target

Secondary Events

- **Secondary Event**
  - Secondary Event Management
  - Trigger Management
  - Layer Management
  - Scheduling Rules
  - Dynamic Text e.g. Now, Next, Later.
  - Secondary Event Groups
  - Single Click Execution
  - Default Secondary Events
  - Secondary Event Restrictions
  - Secondary Event Dynamic Rule

Scheduling

- **Scheduling**
  - Schedule Management
  - Insert Break
  - Copy/Cut/Paste Events.
  - Lock / Unlock Item
  - Program Replacement
  - Attach Format
  - Fast Segmentation
  - Update TX Status
  - Slot Auto Fill
  - Auto Fill Music
  - Create a FAST Playlist.
  - Virtual Segmentation
  - Edit Duration
  - Add Comments
  - Auto Under/Over Run Management
  - Secondary Event Overview
  - Global Replacement
  - Add Program
  - Export Mam Asset Report
  - Export Playlist.
  - Export Partial Playlist
  - Export & Deliver Playlist
  - Export SFTP Playlist
  - Download PDF
  - Export Excel
  - Export Announcement
  - Checklists & Checklist Management
  - Schedule Window Preference Management
  - Missing Media Report
  - Break Configuration
  - Column Preference
  - Trim Duration
  - Schedule Drafts Management
  - Program in Program
  - Change Version

Reconciliation

- **Reconciliation**
  - Import AsRun
  - Manage AsRun
  - AsRun Reconciliation
  - Auto Reconcile AsRun
  - Force Match / Unmatch
  - Announcement Reconciliation
  - Offset Configuration

Billing

- **Billing**
  - Billing
  - Partial Campaign Billing
  - Brand Wise Billing
  - Commercial Wise Billing
  - Telecast Certificate
  - Tax Management
  - Bank Account Master
  - Generated Bills Management
  - Billing Summary Report
  -

Export

- **Export**
  - Custom EPG Template Management
  - Pre Integrated Templates
    - Samsung
    - MX1
    - Multichoice
    - Jio
    - TCL
    - Toober
    - Starhub
    - Grace Note
    - Many More…
  - Manage Content Template
  - Export Content Master In Custom Template Excel/CSV.

Report

- **Report**
  - Air Time Consumption Report
  - Booking Schedule Status
  - Client Agency Booking Report
  - Credit Line Report

- ○ Interstitial History Report
- ○ MAM Asset Report
- ○ Media Content Report
- ○ Media Master Report
- ○ Media Content Report
- ○ Music Report
- ○ Pre/Post Log Report
- ○ Program Time Consumption Report
- ○ Purge Spot Report
- ○ Ingestion Report

Utility

- ● **Posters Management**
    - ○ Centralized Poster Library
    - ○ Manage Poster Types.
    - ○ Directly Integrated with CDN.
    - ○ Search Across Poster Library.
    - ○ Preview Option Available.

User Access Management

- ● **Users Database**
    - ○ Role Management.
    - ○ Module Rights Management.
    - ○ Module Actions Management.
    - ○ Change Password.
    - ○ Restrict Access.
    - ○ Kill Session Option.
    - ○ Password Reset Option For Admin.

Security

01

Token Based Login Authentication

Token based Third Party Authentication for preventing SQL injection, Cross-site scripting

02

Authentication and Session Management

Implemented authentication and session management mechanisms that can restrict unauthorized access, account takeover, and session hijacking.

03

Secure API Endpoint

Secured API endpoints for sensitive data to prevent any kind of data leak and attackers to manipulate the application's functionality.

03

Logging and Monitoring

Implemented logging for security events and monitor these logs for suspicious activities. This helps in identifying potential breaches and responding in a timely manner.

04

User Input Sanitization

To ensure that user inputs are properly sanitized to prevent attacks like cross-site scripting (XSS), SQL injection, and command injection.

05

SDLC

Integrate security into every phase of your software development lifecycle. This includes design, development, testing, deployment, and maintenance.

Database Collections

We are using **MongoDB**, a **NoSQL, document-oriented database** that stores data in flexible, JSON-like documents (BSON). MongoDB allows dynamic schema design, making it ideal for handling diverse and evolving data structures. This architecture supports high scalability, performance, and ease of integration with modern applications.

Collection Name	Summary
Department	Stores data related to departments.
Role	Stores data related to roles.
agency	Stores data related to ad sales agencies.
agencytype	Stores data related to agency types.
amortizationrule	Stores data related to amortization rules.
applicationversion	Stores data related to application version.
audiocodec	Stores data related to audio codec master.
automation	Stores data related to automations integrated.
avod_configuration	Stores data related to avod configuration.
bankaccount	Stores data related to bank account.
booking	Stores data related to ad sales booking.
brand	Stores data related to commercial brand.
breakconfiguration	Stores data related for break configuration.
breakformat	Stores data related to break format.
campaign	Stores data related to Campaign / RO.
campaigntype	Stores data related to campaign types.
casttype	Stores data related to cast type.
censorrating	Stores data related to censor ratings.
channel	Stores data related to the channel.
channelEpgConfiguration	Stores data for channel epg configuration.
checkList	Stores data related to the checklist.
client	Stores data related to the ad sales client.
clientinfo	Stores data related to client info.
constraints	Stores data related to scheduling constraints.
contentcategory	Stores data related to content category.
contract	Stores data related to acquisitions.
countries	Stores data related to countries.
countrycode	Stores data related to country codes.
currency	Stores data related to currency.
daypart	Stores data related to daypart.
dealtype	Stores data related to deal types.
deliverymethod	Stores data related to the delivery method.
document	Stores data related to documents.
dynamicreporttemplates	Stores data related to dynamicreporttemplates.
exporttemplate	Stores data related to the export template.

faq	Stores data related to faq.
faqcategory	Stores data related to faq category.
fileattachments	Stores data related to file attachments.
financialyear	Stores data related to the financial year.
form_fields	Stores data related to form fields.
format	Stores data related to the format.
formatschedule	Stores data related to the format schedule.
framerate	Stores data related to framerate.
generatedbills	Stores data related to generated bills.
genre	Stores data related to genre.
ingestionLogs	Stores data related to ingestion logs.
ingestion_logs	Stores data related to ingestion logs.
instance	Stores data related to the instance.
invoicecontent	Stores data related to invoice serial number
jobsSchedule	Stores data related to jobs schedule.
language	Stores data related to language.
languagegroup	Stores data related to languagegroup.
licensor	Stores data related to licensor.
liveeventround	Stores data related to liveeventround.
liveevents	Stores data related to liveevents.
liveeventtype	Stores data related to liveeventtype.
location	Stores data related to location.
logger	Stores data related to logger.
match_type	Stores data related to match type.
materialcontent	Stores data related to material config.
mediacategory	Stores data related to mediacategory.
mediacategorytype	Stores data related to mediacategorytype.
mediadealrights	Stores data related to mediadealrights.
mediaepisode	Stores data related to mediaepisode.
mediaepisodedetailliveevent	Stores data related to live matches.
mediaepisodegroup	Stores data related to the episode group.
mediaepisodelocalization	Stores data related to multi language.
mediaepisodemetadata	Stores data related to metadata.
mediaepisodesegment	Stores data related to episode versions.
mediamamassets	Stores data related to mam asssets.
mediatechnicalprototype	Stores data related to secondary events .
module	Stores data related to modules.
musiccategory	Stores data related to music category.
offers	Stores data related to offers.
partnerintegrationtemplate	Stores data related to partnerintegrationtemplate.
pgrating	Stores data related to pg rating.
pincodes	Stores data related to pincodes.
planningdistributiontemplate	Stores data related to long form repeats distribution template.

planningfiltertemplate	Stores data related to planning media filters.
planningslot	Stores data related to planning slots.
platformtype	Stores data related to platform types.
playlistlockstatus	Stores data related to playlist lock status.
playtime	Stores data related to playtime.
position	Stores data related to position.
prayers	Stores data related to prayers.
product	Stores data related to commercial product.
programschedule	Stores data related to playlist.
programscheduledraft	Stores data related to playlists draft.
programschedulereconcile	Stores data related to asrun.
promotional_screens	Stores data related to promotional screens.
prototype	Stores data related to secondary events.
prototypeSource	Stores data related to prototypesource.
prototypecontent	Stores data related to SE content.
publishStatus	Stores data related to publishstatus.
ratecard	Stores data related to ratecard.
reconsilesetting	Stores data related to reconsilecsetting.
region	Stores data related to region.
repeatpattern	Stores data related to repeat pattern.
resolution	Stores data related to resolution.
salesoptimizationtemplate	Stores data related to sales optimization template.
salestarget	Stores data related to sales target.
salesteam	Stores data related to sales team.
scheduleautofillinterstitial	Stores data related to auto fill rules.
scheduleconstraints	Stores data related to schedule constraints.
scheduleeditstatus	Stores data related to scheduleeditstatus.
scheduleexporthistory	Stores data related to schedule export history.
schedulingFilterTemplate	Stores data related to scheduling filter template for media library.
season	Stores data related to series's season.
secondaryeventdefaultprototype	Stores data related to SE default setting.
secondaryeventdynamicrule	Stores data related to dynamic text rules.
secondaryeventstylesheet	Stores data related to SE groups.
segmenttype	Stores data related to segment types.
series	Stores data related to parent series/ brand.
sponsortype	Stores data related to sponsor type.
states	Stores data related to states.
tax	Stores data related to tax.
timerange	Stores data related to time range.
timezone	Stores data related to time zone.
topnews	Stores data related to top news.
tournament	Stores data related tothe tournament.

tournamentGroup	Stores data related to the tournament group.
tournamenttype	Stores data related to tournament type.
tutorialvideos	Stores data related to tutorial videos.
txmode	Stores data related to txmode.
txstatus	Stores data related to TX status.
userPreferenceColumn	Stores data related to the user preference column.
useractivitylogs	Stores data related to user activity logs.
userdefaultdealrights	Stores data related to user default deal rights.
userfavouritemenu	Stores data related to the favorite menu.
users	Stores data related to users.
variance	Stores data related to variance.
variation	Stores data related to variation.
version	Stores data related to the version.
videoaspectratio	Stores data related to the video aspect ratio.
videocodec	Stores data related to the video codec.
videotype	Stores data related to videotype.
workflow	Stores data related to workflow.
workorder	Stores data related to work orders.

Maintenance and Support Model

We provide a structured and proactive maintenance and support model designed to ensure continuous system reliability, security, and performance. Our approach includes both **preventive** and **corrective** maintenance, tailored to minimize operational disruptions and optimize system uptime.

Phase	Description
Initial Setup	Post-deployment support and stabilization to ensure system readiness
Preventive Maintenance	Regular health checks, performance optimization, updates, and security patches to prevent issues
Corrective Maintenance	Resolution of bugs, errors, or performance issues reported by users or detected by monitoring systems
Adaptive Maintenance	Enhancements to keep up with changes in business needs, OS/platform updates, and third-party integrations
Perfective Maintenance	Continuous improvements based on user feedback and analytics

Impact on Daily Operations

- **Minimal Downtime**: Most maintenance tasks are scheduled during off-hours to ensure zero or minimal downtime.
- **Scheduled Updates**: Maintenance windows are communicated in advance for transparency and planning.
- **Ticketing & Escalation**: A dedicated support portal with defined SLAs (Service Level Agreements) ensures quick response and resolution.
- **Backup & Rollback**: Full backup routines and rollback plans are in place to safeguard data and system integrity during maintenance.

Support Channels

- Email and Ticketing System
- Knowledge Base & Documentation
- Dedicated Account Manager (for Enterprise plans)