

## **Admin Module - Detailed Use Cases**

### **UC-A01: Manage User Accounts**

Actors: Admin

Preconditions: Admin logged in with proper privileges

Postconditions: Users created, updated, or deleted

*Basic Flow:*

- View list of registered users
- Filter/search users
- View details or take actions (suspend, reset, delete)
- Update roles or metadata
- System logs all actions

*Alternate Flows:*

Admin bulk-imports users via CSV

*Exceptions:*

Action denied due to insufficient privileges or locked user

### **UC-A02: Manage Subscriptions & Plans**

Actors: Admin

Preconditions: Plans defined in database

Postconditions: New plans published or existing plans updated

*Basic Flow:*

- Open subscription interface
- Create/edit plans
- Set plan status
- Assign plans to users

*Alternate Flows:*

Edit plan details or apply bulk update

*Exceptions:*

Plan ID conflict or invalid values

### **UC-A03: Configure System Settings**

Actors: Admin

Preconditions: System is running

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Postconditions: Settings updated and applied

*Basic Flow:*

- Open settings
- Modify global parameters
- Apply or schedule changes

*Alternate Flows:*

Schedule changes for future deployment

*Exceptions:*

Invalid config, dependency conflicts

### UC-A04: Review Commentary Logs & Feedback

Actors: Admin, Data Annotator

Preconditions: Commentary has been streamed

Postconditions: Log entries reviewed and rated

*Basic Flow:*

- Select match/time period
- Review logs and user feedback
- Flag or tag segments

*Alternate Flows:*

Tag sections (e.g., 'inaudible')

*Exceptions:*

Feedback data missing or corrupted

### UC-A05: Trigger AI Model Retraining

Actors: Admin

Preconditions: Pipeline and data ready

Postconditions: New model trained and validated

*Basic Flow:*

- Select model and data
- Verify compute availability
- Launch retraining
- Monitor logs and deploy

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### *Alternate Flows:*

Schedule retraining during low-traffic window

### *Exceptions:*

GPU unavailable, data inconsistencies

### **UC-A06: Configure & Monitor API Integrations**

Actors: Admin, DevOps

Preconditions: APIs live and secured

Postconditions: Integration tested and monitored

### *Basic Flow:*

- Open integration screen
- Check statuses
- Generate or revoke keys

### *Alternate Flows:*

Switch to sandbox mode for testing

### *Exceptions:*

Expired tokens, CORS policy errors

### **UC-A07: Generate Analytics & Business Reports**

Actors: Admin, Data Analyst

Preconditions: Logging active

Postconditions: Reports and dashboards created

### *Basic Flow:*

- Select report type
- Apply filters
- Generate and export charts

### *Alternate Flows:*

Set auto-delivery via email

### *Exceptions:*

No data available, generation timeout

### **UC-A08: Manage Language & Voice Settings**

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Actors: Admin

Preconditions: TTS engines are running

Postconditions: Voice settings configured

*Basic Flow:*

- Select voice/language
- Set regional defaults
- Upload custom voice

*Alternate Flows:*

Disable beta voices for stability

*Exceptions:*

Unsupported voice model

### **UC-A09: Monitor System Health**

Actors: Admin, DevOps

Preconditions: Monitoring agents installed

Postconditions: Alerts and metrics displayed

*Basic Flow:*

- Open health dashboard
- View CPU, memory, latency
- Configure alerts and scaling

*Alternate Flows:*

Enable history view for analysis

*Exceptions:*

Metrics stale or agent failure

### **UC-A10: Role and Permission Management**

Actors: Admin

Preconditions: RBAC model in place

Postconditions: Access granted or revoked

*Basic Flow:*

- View roles and permissions
- Update roles per user

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- Save with logging

*Alternate Flows:*

Upload permissions via JSON

*Exceptions:*

Conflicting role inheritance