**API Documentation**

Scope

This document lists public REST endpoints exposed by backend services, grouped by service. Paths are shown without the API gateway prefix. All requests must be routed via the API Gateway.

Conventions

- Method PATH - brief description

- Request/Response: summarized when helpful

Gateway

- All services are routed through the gateway. See frontend `API\_CONFIG` for base URLs.

Dealer Service (/api/dealers)

- POST /register - Register a dealer

- POST /login - Login; body contains email, password

- PUT /update-profile - Update dealer profile

- GET /profile/{email} - Get dealer profile by email

- GET /profile/dealer-id/{dealerId} - Get dealer profile by ID

- GET /profile-lite/{email} - Lightweight dealer profile (name, email)

- GET /audit-logs/{email} - Get dealer audit logs

Technician Service (/api/technicians)

- POST /register - Register technician

- POST /login - Login using email

- POST /technician-feed - Filtered postings feed for technician

- POST /technician-posts-by-techloc - All postings by technician location

- POST /save-accepted-posts - Record accepted post

- POST /get-accepted-posts-by-email - List accepted post IDs for a technician

- POST /get-declined-posts-by-email - List declined post IDs for a technician

- POST /get-technician-by-email - Get technician profile info by email

- POST /declined-posts - Record declined post

- GET /get-all-accepted-posts-full - List accepted-post mappings with technician

- POST /update-technician-profile - Update technician profile

- GET /get-technician-profile?email=... - Get technician profile by email

Counter-Offer (Technician Service)

- POST /counter-offer/{postId}?technicianEmail=... - Submit a counter offer

- GET /counter-offer/{postId}/eligibility?technicianEmail=... - Check eligibility

- GET /counter-offers/status?technicianEmail=... - Get status summary

- POST /counter-offer/{counterOfferId}/withdraw?technicianEmail=... - Withdraw

- GET /counter-offer/{postId}/cooldown?technicianEmail=... - Remaining cooldown

- GET /counter-offer/{postId}/has-cooldown?technicianEmail=... - Has active cooldown

- POST /counter-offers/cleanup - Admin/debug: cleanup

- POST /counter-offers/mark-expired - Admin: mark expired

- POST /counter-offer/test?technicianEmail=... - Debug test counter offer

- PUT /counter-offer/{counterOfferId}/reject - Notify rejection (from postings)

- PUT /counter-offer/{counterOfferId}/accept - Notify acceptance (from postings)

- PUT /counter-offer/withdraw - Notify withdrawal (from postings)

Posting Service (/)

- POST /submit-post - Create a posting

- POST /update-multiple-acceptedpost-from-Techdash - Bulk update accept info

- POST /posts-by-email - List posts for a dealer email

- GET /post - List all posts

- GET /post/{id} - Get post by id

- POST /delete-by-id - Delete by id (soft delete)

- POST /restore-by-id - Restore soft-deleted post

- GET /deleted - List soft-deleted posts

- POST /posts-update-id - Update post by id

- POST /filters - Filter posts

Counter-Offer (Posting Service)

- POST /counter-offers - Submit counter offer (posting-side)

- GET /counter-offers/post/{postId} - Get counter offers for a post

- GET /counter-offers/technician/{technicianEmail} - Get counter offers by technician

- GET /counter-offers/pending/{dealerEmail} - Pending offers for dealer

- PUT /counter-offers/respond - Dealer respond to counter offer

- GET /counter-offers/eligibility/{postId}/{technicianEmail} - Check eligibility

- POST /accept - Accept post directly (original amount)

- POST /accept-with-counter-offer - Accept post with counter-offer amount

- POST /counter-offers/withdraw - Withdraw counter offers for a post by technician

Tech Dashboard Service (/dashboard)

- GET /summary/{technicianId} - Technician dashboard summary

- GET /my-assigned-posts/{technicianId} - Assigned posts

- PUT /update-post-status/{postId} - Update post status

- GET /my-inspection-reports/{technicianId} - My inspection reports

- GET /reports/{reportId} - Get inspection report

- GET /reports/by-post/{postId} - Get report by post id

- POST /start-inspection/{postId} - Start inspection (creates report + checklist template)

- POST /reports/{reportId}/submit - Submit report (requires 100% completion)

- GET /reports/{reportId}/validate-submission - Check readiness (completion%)

- POST /reports/{reportId}/complete - Complete report

- GET /checklist-template - Retrieve standard checklist template

- GET /reports/{reportId}/checklist - List checklist items for report

- PUT /reports/{reportId}/checklist/{itemId} - Update checklist item

- POST /reports/{reportId}/checklist/initialize - Initialize checklist for report

- PUT /reports/{reportId}/checklist/bulk - Bulk update checklist items

- POST /reports/{reportId}/upload - Upload files to report

- GET /reports/{reportId}/files - List files for report

- DELETE /reports/{reportId}/files/{fileId} - Delete file from report

- GET /health - Health check

Chat Service

Rooms (/api/rooms)

- POST / - Create or get room

- GET /{roomUid} - Get room by UID

Participants (/api/rooms/{roomUid}/participants)

- POST /heartbeat - Update participant heartbeat

- GET / - Get active participants

- GET /all - Get all participants

Calls (/api/rooms/{roomUid}/calls)

- POST /start - Start a call

- POST /end - End a call

- GET / - Get call logs (limit, afterId)

- GET /active - Get currently active call

Chat Messages (/api/chat)

- GET /{roomId}/messages?limit=&afterId= - Get messages

- POST /{roomId}/send - Send message

- GET /{roomId}/stats - Room stats

- GET /technician/{technicianId}/unread - Unread summary for technician

- GET /dealer/{dealerId}/unread - Unread summary for dealer

- POST /{roomId}/read - Mark messages as read

Notes

- All endpoints are served behind the API Gateway; use gateway prefixes configured in `dealer-frontend/src/api.js`.

- Authentication is currently disabled in frontend; gateway handles routing and CORS.