

Nexus API Documentation

This documentation outlines the available API endpoints for the Nexus platform.

Base URL: All endpoints are prefixed with your base URL.

- **Development:** `http://localhost:3000`
- **Production:** `https://nexus-server-a951.onrender.com`

Authentication: Most endpoints are protected and require a Bearer Token in the Authorization header. `Authorization: Bearer <YOUR_JWT_TOKEN>`

Authentication (/api/auth)

POST /register

- **Description:** Creates a new user account.
- **Authentication:** Not Required.
- **Request Body:**

```
{
  "name": "string",
  "email": "string",
  "password": "string",
  "role": "'entrepreneur' or 'investor'"
}
```

- **Success Response (201 Created):**

```
{
  "token": "string",
  "user": { ...userObject }
}
```

- **Error Responses:** 400 (Bad Request - e.g., user already exists), 500 (Server Error).

POST /login

- **Description:** Authenticates a user and provides a JWT.
- **Authentication:** Not Required.
- **Request Body:**

```
{
  "email": "string",
  "password": "string"
}
```

- **Success Response (200 OK):**

```
{
  "token": "string",
  "user": { ...userObject }
}
```

- **Error Responses:** 401 (Unauthorized - invalid credentials), 500.

GET /profile

- **Description:** Gets the complete profile of the currently logged-in user.
- **Authentication:** Required.
- **Success Response (200 OK):** { ...userObject }

PUT /profile

- **Description:** Updates the profile of the currently logged-in user.
- **Authentication:** Required.
- **Request Body:** A flat object containing any fields from the User, entrepreneurProfile, or investorProfile schemas.

```
{
  "name": "New Name",
  "bio": "New bio...",
  "startupName": "New Startup Name"
}
```

- **Success Response (200 OK):** The updated { ...userObject }.

Users (/api/users)

GET /

- **Description:** Gets a list of all users (for meeting invites, etc.). Excludes the current user.
- **Authentication:** Required.
- **Success Response (200 OK):** [{ ...userObject }, { ...userObject }]

GET /entrepreneurs

- **Description:** Gets a list of all users with the 'entrepreneur' role.
- **Authentication:** Required.
- **Success Response (200 OK):** [{ ...entrepreneurObject }, ...]

GET /investors

- **Description:** Gets a list of all users with the 'investor' role.
- **Authentication:** Required.
- **Success Response (200 OK):** [{ ...investorObject }, ...]

GET /:id

- **Description:** Gets the public profile of a single user by their ID.
 - **Authentication:** Required.
 - **URL Parameters:** id (the user's MongoDB _id).
 - **Success Response (200 OK):** { ...userObject }
 - **Error Responses:** 404 (Not Found).
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File Uploads (/api/upload)

POST /

- **Description:** Uploads a profile picture for the logged-in user.
- **Authentication:** Required.
- **Request Body:** multipart/form-data with a single field named file.
- **Success Response (200 OK):** The updated { ...userObject } with the new avatarUrl.

DELETE /

- **Description:** Removes the profile picture for the logged-in user.
 - **Authentication:** Required.
 - **Success Response (200 OK):** The updated { ...userObject }.
-

Messaging (/api/messages)

GET /

- **Description:** Gets all conversations for the logged-in user.
- **Authentication:** Required.
- **Success Response (200 OK):** [{ ...conversationObject }, ...]

POST /

- **Description:** Sends a new message to another user.
- **Authentication:** Required.
- **Request Body:**

```
{
  "receiverId": "string",
  "content": "string"
}
```

****Success Response (201 Created):**** { ...messageObject }

GET /unread-count

- **Description:** Gets the number of unread messages.
- **Authentication:** Required.
- **Success Response (200 OK):** { "count": number }

PATCH /read

- **Description:** Marks messages from a specific sender as read.
- **Authentication:** Required.
- **Request Body:**

```
{
  "senderId": "string"
}
```

- **Success Response (200 OK):** { "message": "Messages marked as read" }

GET /:otherUserId

- **Description:** Gets the message history with a specific user.
- **Authentication:** Required.
- **URL Parameters:** otherUserId.
- **Success Response (200 OK):** [{ ...messageObject }, ...]

Meetings (/api/meetings)

GET /

- **Description:** Gets all meetings for the logged-in user.
- **Authentication:** Required.
- **Success Response (200 OK):** [{ ...meetingObject }, ...]

POST /

- **Description:** Creates a new meeting with clash detection.
- **Authentication:** Required.
- **Request Body:**

```
{
  "title": "string",
  "start": "ISO_Date_String",
  "end": "ISO_Date_String",
  "participantIds": ["string", "string"]
}
```

****Success Response (201 Created):**** { ...meetingObject }

- **Error Responses:** 409 (Conflict - time clash).

DELETE /:id

- **Description:** Deletes a meeting.
- **Authentication:** Required.
- **URL Parameters:** id (the meeting's _id).
- **Success Response (200 OK):** { "message": "Meeting deleted..." }

Collaborations (/api/collaborations)

POST /

- **Description:** An investor creates or re-sends a collaboration request.
- **Authentication:** Required (Investor role).
- **Request Body:**

```
{
  "entrepreneurId": "string",
  "message": "string"
}
```

- **Success Response (201 Created or 200 OK):** { ...collaborationObject }

GET /received

- **Description:** An entrepreneur gets all requests they have received.
- **Authentication:** Required (Entrepreneur role).
- **Success Response (200 OK):** [{ ...collaborationObject }, ...]

GET /sent

- **Description:** An investor gets all requests they have sent.
- **Authentication:** Required (Investor role).
- **Success Response (200 OK):** [{ ...collaborationObject }, ...]

PATCH /:id

- **Description:** An entrepreneur accepts or rejects a request.
- **Authentication:** Required (Entrepreneur role).
- **URL Parameters:** id (the collaboration _id).
- **Request Body:** { "status": "'accepted' or 'rejected'" }
- **Success Response (200 OK):** The updated { ...collaborationObject }.

DELETE /:id

- **Description:** Either user removes the connection.
 - **Authentication:** Required.
 - **URL Parameters:** id (the collaboration _id).
 - **Success Response (200 OK):** { "message": "Collaboration removed..." }
-

Deals & Transactions (/api/deals)

GET /

- **Description:** An investor gets a list of all their deals.
- **Authentication:** Required (Investor role).
- **Success Response (200 OK):** [{ ...dealObject }, ...]

POST /

- **Description:** An investor creates a new deal proposal.
- **Authentication:** Required (Investor role).
- **Request Body:**

```
{  
  "entrepreneurId": "string",  
  "startupName": "string",  
  "amount": "string",  
  "equity": "string",  
  "stage": "string"  
}
```

- **Success Response (201 Created):** { ...dealObject }

POST /payment

- **Description:** An investor adds a payment to a deal.
- **Authentication:** Required (Investor role).
- **Request Body:**

```
{  
  "dealId": "string",  
  "amount": "number",  
  "notes": "string (optional)"  
}
```

- **Success Response (201 Created):** { ...transactionObject }

GET /received

- **Description:** An entrepreneur gets all deals proposed to them.
- **Authentication:** Required (Entrepreneur role).
- **Success Response (200 OK):** [{ ...dealObject }, ...]

PATCH /:id/status

- **Description:** An entrepreneur accepts or rejects a deal proposal.
- **Authentication:** Required (Entrepreneur role).
- **URL Parameters:** id (the deal _id).
- **Request Body:** { "status": "'accepted' or 'rejected'" }
- **Success Response (200 OK):** The updated { ...dealObject }.

GET /transactions/sent

- **Description:** An investor gets a list of all their sent transactions.
- **Authentication:** Required (Investor role).
- **Success Response (200 OK):** [{ ...transactionObject }, ...]

GET /transactions/received

- **Description:** An entrepreneur gets a list of all their received transactions.
- **Authentication:** Required (Entrepreneur role).
- **Success Response (200 OK):** [{ ...transactionObject }, ...]