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**Service Group Overview:**

**Express Authentication**

Date of creation: October 2023

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**Vocabulary**

* **Micro Service**: *Micro Service* - A refined and highly focused service that constitutes a small, independent component in a microservices architecture. Microservices are designed to perform one specific task or function, and they communicate with other microservices to collectively deliver the overall functionality of an application.
* **SG**: *Service Group* - A comprehensive label for a collection of microservices, encompassing REST Endpoints, WebSocket Events, and Cron Tasks, that work collaboratively to fulfill a shared purpose. For example, a "users" Service Group manages various tasks related to data management and notification delivery associated with this specific grouping.
* **Service**: *Service* - A term used to denote a self-contained, functional component or module that performs specific tasks or functions within an application or system. Services are often designed to be reusable and can include various functionalities such as data processing, communication, or computation.
* **REST**: *REST (Representational State Transfer)* - A software architectural style for designing networked applications. RESTful services use standard HTTP methods for communication and are known for their simplicity, scalability, and statelessness.
* **WS**: *WebSocket* - A communication protocol that provides full-duplex, bidirectional communication channels over a single TCP connection. WebSockets enable real-time data exchange and are commonly used in web applications for live updates and interactive features.
* **Cron**: *Cron (Scheduled Task)* - A time-based job scheduler in Unix-like operating systems. Cron allows users to automate repetitive tasks by specifying when and how often certain commands or scripts should be executed.

**Express Authentication SG Overview**

Sg Description

Sg Function

**Services**

Service Description

**Rest**

description

|  |  |
| --- | --- |
| **Method\_Path** | **Service** |
| GET\_  /v1/auth/user | retrieveAuthUser |
| PUT\_  /v1/auth/user | updateAccount |
| DELETE\_  /v1/auth/user | removeAuthUser |
| POST\_  /v1/auth/register | registerAuthUser |
| GET\_  /v1/auth/verify-email | verifyEmail |
| POST\_  /v1/auth/login | login |
| POST\_  /v1/auth/send-verify-account-email | sendVerifyAccountEmail |
| PUT\_  /v1/auth/token | refreshToken |
| PUT\_  /v1/auth/forgot-password | forgotPassword |
| PUT\_  /v1/auth/reset-password | resetPassword |
| PUT\_  /v1/auth/update-password | updatePassword |
| PUT\_  /v1/auth/avatar | uploadUserAvatar |

**Services Breakdown**

**Retrieve Auth User (#retrieveAuthUser) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

### Roles

* **ROLE\_ADMIN**: Role Desc
* **ROLE\_USER**: Role Desc

|  |  |
| --- | --- |
| **Method** | GET |
| **Path** | /v1/auth/user |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| id | Prop Desc | INT |

### Action Chain Info

Action Chain Def

### Action "GetOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["id"] |
| maximumDepth | Param Def | 0 |

### Action "GetOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["id"] |
| maximumDepth | Param Def | 0 |

**Update Account (#updateAccount) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

### Roles

* **ROLE\_ADMIN**: Role Desc
* **ROLE\_USER**: Role Desc

|  |  |
| --- | --- |
| **Method** | PUT |
| **Path** | /v1/auth/user |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| id | Prop Desc | STRING |
| firstName | Prop Desc | STRING |
| lastName | Prop Desc | STRING |
| handle | Prop Desc | STRING |
| avatar | Prop Desc | STRING |

### Action Chain Info

Action Chain Def

### Action "UpdateOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "UpdateOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

**Remove Auth User (#removeAuthUser) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

### Roles

* **ROLE\_ADMIN**: Role Desc
* **ROLE\_USER**: Role Desc

|  |  |
| --- | --- |
| **Method** | DELETE |
| **Path** | /v1/auth/user |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| id | Prop Desc | STRING |

### Action Chain Info

Action Chain Def

### Action "addActionToQueue RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["id"] |
| maximumDepth | Param Def | 0 |

### Action "addActionToQueue RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["id"] |
| maximumDepth | Param Def | 0 |

**Register Auth User (#registerAuthUser) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

|  |  |
| --- | --- |
| **Method** | POST |
| **Path** | /v1/auth/register |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| username | Prop Desc | STRING |
| email | Prop Desc | EMAIL |
| firstName | Prop Desc | STRING |
| lastName | Prop Desc | STRING |
| password | Prop Desc | STRING |
| roles | Prop Desc | JSON |

### Action Chain Info

Action Chain Def

### Action "ServiceCaller RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| service | Param Def | ExpressAuthenticationService:sendVerifyAccountEmail |

### Action "CreateOneIfNotExists RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["email","username"] |
| maximumDepth | Param Def | 0 |
| failOnExists | Param Def | 1 |

### Action "Register RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "ServiceCaller RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| service | Param Def | ExpressAuthenticationService:sendVerifyAccountEmail |

### Action "CreateOneIfNotExists RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["email","username"] |
| maximumDepth | Param Def | 0 |
| failOnExists | Param Def | 1 |

### Action "Register RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

**Verify Email (#verifyEmail) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

### Roles

* **ROLE\_ADMIN**: Role Desc
* **ROLE\_USER**: Role Desc

|  |  |
| --- | --- |
| **Method** | GET |
| **Path** | /v1/auth/verify-email |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| idToken | Prop Desc | JWT-TOKEN |

### Action Chain Info

Action Chain Def

### Action "Redirect RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "UpdateOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "DataTransformer RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "Redirect RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "UpdateOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "DataTransformer RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

**Login (#login) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

### Roles

* **ROLE\_ADMIN**: Role Desc
* **ROLE\_USER**: Role Desc

|  |  |
| --- | --- |
| **Method** | POST |
| **Path** | /v1/auth/login |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| email | Prop Desc | EMAIL |
| password | Prop Desc | STRING |

### Action Chain Info

Action Chain Def

### Action "SocketAction RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| asynchronous | Param Def | 1 |
| datasource | Param Def | integration-eezze-stats-ws |
| eventName | Param Def | user-logged-in |

### Action "Login RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| authenticator | Param Def | ExpressAuthentication |
| type | Param Def | jwt |
| successMessage | Param Def | login-success |
| errorMessage | Param Def | no-credentials-match-found |
| secret | Param Def | ryans-really-long-text |
| expiresIn | Param Def | {"minutes":15} |
| failOn | Param Def | [{"message":"please-verify-email"},{"message":"please-reactivate-account"}] |

### Action "GetOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["email"] |
| maximumDepth | Param Def | 0 |
| failOnEmpty | Param Def | 1 |
| errorMessage | Param Def | no-credentials-match-found |

### Action "SocketAction RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| asynchronous | Param Def | 1 |
| datasource | Param Def | integration-eezze-stats-ws |
| eventName | Param Def | user-logged-in |

### Action "Login RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| authenticator | Param Def | ExpressAuthentication |
| type | Param Def | jwt |
| successMessage | Param Def | login-success |
| errorMessage | Param Def | no-credentials-match-found |
| secret | Param Def | ryans-really-long-text |
| expiresIn | Param Def | {"minutes":15} |
| failOn | Param Def | [{"message":"please-verify-email"},{"message":"please-reactivate-account"}] |

### Action "GetOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["email"] |
| maximumDepth | Param Def | 0 |
| failOnEmpty | Param Def | 1 |
| errorMessage | Param Def | no-credentials-match-found |

**Send Verify Account Email (#sendVerifyAccountEmail) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

### Roles

* **ROLE\_ADMIN**: Role Desc
* **ROLE\_USER**: Role Desc

|  |  |
| --- | --- |
| **Method** | POST |
| **Path** | /v1/auth/send-verify-account-email |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| email | Prop Desc | EMAIL |

### Action Chain Info

Action Chain Def

### Action "ServiceCaller RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| service | Param Def | LocalEmailingService:sendMail |

### Action "Do RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "GetOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["email"] |
| maximumDepth | Param Def | 0 |

### Action "ServiceCaller RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| service | Param Def | LocalEmailingService:sendMail |

### Action "Do RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "GetOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["email"] |
| maximumDepth | Param Def | 0 |

**Refresh Token (#refreshToken) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

### Roles

* **ROLE\_ADMIN**: Role Desc
* **ROLE\_USER**: Role Desc

|  |  |
| --- | --- |
| **Method** | PUT |
| **Path** | /v1/auth/token |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| refreshToken | Prop Desc | JWT-TOKEN |

### Action Chain Info

Action Chain Def

### Action "Do RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "Do RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

**Forgot Password (#forgotPassword) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

### Roles

* **ROLE\_ADMIN**: Role Desc
* **ROLE\_USER**: Role Desc

|  |  |
| --- | --- |
| **Method** | PUT |
| **Path** | /v1/auth/forgot-password |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| email | Prop Desc | EMAIL |

### Action Chain Info

Action Chain Def

### Action "ServiceCaller RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| service | Param Def | LocalEmailingService:sendMail |

### Action "GetOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["email"] |

### Action "ServiceCaller RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| service | Param Def | LocalEmailingService:sendMail |

### Action "GetOne RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["email"] |

**Reset Password (#resetPassword) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

### Roles

* **ROLE\_ADMIN**: Role Desc
* **ROLE\_USER**: Role Desc

|  |  |
| --- | --- |
| **Method** | PUT |
| **Path** | /v1/auth/reset-password |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| token | Prop Desc | JWT-TOKEN |
| password | Prop Desc | PASSWORD |
| passwordConfirm | Prop Desc | PASSWORD-CONFIRM |

### Action Chain Info

Action Chain Def

### Action "addActionToQueue RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["id"] |
| maximumDepth | Param Def | 0 |

### Action "ResetPassword RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "addActionToQueue RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["id"] |
| maximumDepth | Param Def | 0 |

### Action "ResetPassword RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

**Update Password (#updatePassword) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

### Roles

* **ROLE\_ADMIN**: Role Desc
* **ROLE\_USER**: Role Desc

|  |  |
| --- | --- |
| **Method** | PUT |
| **Path** | /v1/auth/update-password |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| password | Prop Desc | PASSWORD |
| passwordConfirm | Prop Desc | PASSWORD-CONFIRM |

### Action Chain Info

Action Chain Def

### Action "addActionToQueue RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["id"] |
| maximumDepth | Param Def | 0 |

### Action "ResetPassword RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "addActionToQueue RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| checkOn | Param Def | ["id"] |
| maximumDepth | Param Def | 0 |

### Action "ResetPassword RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

**Upload User Avatar (#uploadUserAvatar) Breakdown**

Service Description

Service Function

### Service Metadata

Service metadata refers to the information that describes the primary prerequisites or data set essential for the execution of the core action sequence.

### Roles

* **ROLE\_ADMIN**: Role Desc
* **ROLE\_USER**: Role Desc

|  |  |
| --- | --- |
| **Method** | PUT |
| **Path** | /v1/auth/avatar |

### Action Input Info

The action input constitutes the data necessary for the action chain to operate effectively and in alignment with its defined functionalities.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Type** |
| userId | Prop Desc | UID |
| avatar | Prop Desc | STRING |
| overwriteFile | Prop Desc | BOOLEAN |

### Action Chain Info

Action Chain Def

### Action "ServiceCaller RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| service | Param Def | ExpressAuthenticationService:updateAccount |

### Action "FileSave RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| datasource | Param Def | FileStorageDefault |
| folder | Param Def | avatars |

### Action "Base64Converter RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

### Action "ServiceCaller RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| service | Param Def | ExpressAuthenticationService:updateAccount |

### Action "FileSave RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |
| datasource | Param Def | FileStorageDefault |
| folder | Param Def | avatars |

### Action "Base64Converter RYAN"

Action Step Description

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Value** |

Service Description

Service Function