

# Database

## Database Schema Documentation

### Table: agent

This table stores information about agents.

Column Name	Data Type	Description
agentID	int(255)	Unique identifier for each agent.
ip	varchar(20)	IP address of the agent.
host	varchar(50)	Host name of the agent.
versionOS	varchar(30)	Version of the operating system.
hookUser	varchar(50)	User associated with the agent.
hookDate	timestamp	Date and time of the agent's hook.
privKey	TEXT	Private key of the agent.
pubKey	TEXT	Public key of the agent.
pathToData	varchar(255)	Path to agent's data.
country	char(50)	Country of the agent.
totalFilesSend	int(255)	Total number of files sent by the agent.
totalFilesEncrypt	int(255)	Total number of files encrypted by the agent.
PRIMARY KEY	agentID	Primary key of the table.

### Table: roles

This table stores different roles in the system.

Column Name	Data Type	Description
role_id	int	Unique identifier for each role.
role_name	varchar(191)	Name of the role.
PRIMARY KEY	role_id	Primary key of the table.

## Table: `users`

This table stores user information.

Column Name	Data Type	Description
<code>user_id</code>	int	Unique identifier for each user.
<code>user_firstname</code>	varchar(191)	First name of the user.
<code>user_lastname</code>	varchar(191)	Last name of the user.
<code>user_name</code>	varchar(191)	Username of the user.
<code>user_email</code>	varchar(191)	Email address of the user.
<code>user_password</code>	varchar(191)	Password of the user.
<code>user_token</code>	varchar(191)	Token associated with the user (optional).
<code>role_id</code>	int	Foreign key referencing the <code>role_id</code> in <code>roles</code> table.
PRIMARY KEY	<code>user_id</code>	Primary key of the table.
<code>users_user_email_key</code>	(unique)	Unique constraint on <code>user_email</code> column.
<code>users_role_id_key</code>	(index)	Index on <code>role_id</code> column.
<code>users_role_id_fkey</code>	(foreign key)	Foreign key constraint referencing <code>role_id</code> in <code>roles</code> table.

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