Database Design

Relay

Column Name	Column Type	Description
id	num, auto, pk	The auto id assigned to the relay
is_exit	boolean	If the relay acts like an exit node
fingerprint	varchar	The fingerprint of the relay
first_seen	datetime	The first time the node was seen on the tor network (available from Onionoo data)
last_seen	datetime	The last time the node was seen on the tor network (available from the Onionoo data)
version	varchar	The version of the relay
recommended_version	boolean	If the relay is running on the recommended version
is_up	boolean	If the node is up & running

Subscriber

Column Name	Column Type	Description
id	num, auto, pk	The auto id assigned to the subscriber
email	varchar	The email id of the subscriber
password	varchar	Hashed password for the user
first_name	varchar	The first name of the user
last_name	varchar	The last name of the user
is_confirmed	boolean	If the subscriber has confirmed his account
created_on	datetime	The datetime when the user was created
updated_on	datetime	The datetimer when the user details were updated

Subscription

Column Name	Column Type	Description
id	num, auto, pk	The auto id assigned to the subscription
subscriber_id	foreign_key	The id of the subscriber who has created the subscription
host_id	foreign_key	The id of the host relay (host keyword makes sense incase of MyFamily)
relay_id	foreign_key	The id of the relay for which subscription is being created for
created_on	datetime	The datetime when the subscription was created
updated_on	datetime	The datetime when the subscription was updated
is_family	boolean	If the subscription is being created for a relay in the family
is_extended_family	boolean	If the subscription is being created for a relay in the extended family
is_active	boolean	If the subscription is currently active. Could be inactive if the user manually disables it, or if the relay is no longer present in the family or the extended family

NodeDownSub

Column Name	Column Type	Description
id	num, auto, pk	The auto id assigned to the node-down subscription
subscription_id	foreign_key	The id of the subscription under which this sub exists
is_active	boolean	If the subscription is currently active, will help users to view inactive subs on the dashboard
created_on	datetime	The datetime when the subscription was first created
updated_on	datetime	The datetime when the subscription was last updated
wait_for	integer	Number of hours for the relay to be down for the email to be triggered
emailed	boolean	If an email has been sent to the user

NodeVersionSub

Column Name	Column Type	Description
id	num, auto, pk	The auto id assigned to the node-version subscription
subscription_id	foreign_key	The id of the subscription under which this sub exists
is_active	boolean	If the subscription is currently active, will help users to view inactive subs on the dashboard
created_on	datetime	The datetime when the subscription was first created
updated_on	datetime	The datetime when the subscription was last updated
eol_subscription	boolean	If the user has subscribed to get notifications for the end-of-life version
eol_sub_emailed	boolean	If an email has been sent for the end-of-life version
outdated_subscription	boolean	If the user has subscribed to get notifications for the outdated version
outdated_sub_emailed	boolean	If an email has been sent for the outdated version

NodeBandwidthSub

Column Name	Column Type	Description
id	num, auto, pk	The auto id assigned to the node-bandwidth subscription
subscription_id	foreign_key	The id of the subscription under which this sub exists
is_active	boolean	If the subscription is currently active, will help users to view inactive subs on the dashboard
created_on	datetime	The datetime when the subscription was first created
updated_on	datetime	The datetime when the subscription was first created
threshold	float	The threshold bandwidth below which an email should be sent

Column Name	Column Type	Description
wait_for	integer	Number of hours for the relay to be low on bandwidth for the email to be triggered
aggregation_time	integer	Number of hours for which avg bandwidth has been down than the threshold
emailed	boolean	If an email has been sent to the user

NodeFlagSub

Column Name	Column Type	Description
id	num, auto, pk	The auto id assigned to the node-flag subscription
subscription_id	foreign_key	The id of the subscription under which this sub exists
is_active	boolean	If the subscription is currently active, will help users to view inactive subs on the dashboard
created_on	datetime	The datetime when the subscription was first created
updated_on	datetime	The datetime when the subscription was first created
is_stable_flag	boolean	If the relay has a stable flag
stable_emailed	boolean	If an email was sent when the stable flag was removed
is_guard_flag	boolean	If the relay has a guard flag
guard_emailed	boolean	If an email was sent when the guard flag was removed
is_exit_flag	boolean	If the relay has an exit flag
exit_emailed	boolean	If an email was sent when the exit flag was removed

Admin

Column Name	Column Type	Description
id	num, auto, pk	The auto id assigned to the admin user
email	varchar	The email id of the admin
created_on	datetime	The datetime when the admin was created
last_login	datetime	The datetime when the admin last logged in