**1. Enterprise**

Represents an enterprise using the SaaS platform.

id,

name,

subscription\_id,

created\_at

**2. Subscription**

id,

plan\_type,

description

**3. EnterpriseUser (Enterprise User)**

Represents a person in an enterprise who uses a device.

id,

enterprise\_id,

email,

name,

status,

created\_at

**4. EnterpriseRole**

Defines a role within an enterprise.

id,

enterprise\_id,

name,

description

**5 . Device**

Represents an enterprise user's device.

id,

enterprise\_id,

user\_id,

device\_type(iPhone 14, Pixel 6),

os,

status(active, retired, pending),

is\_auto\_discovered,

created\_at,

device\_inventory\_id

**6. DeviceInventoryItem**

Template of devices available for assignment.

id,

name

os,

created\_by,

enterprise\_id (Null for global items offered by the Saas platform)

**7. App**

Represents a mobile/device application used by .

id,

name,

package\_id

supported\_os[]

**8. AppAction**

Actions that a user can perform in various apps

id,

name,

description,

**9. Carrier**

id

name

**10. Tower**

Represents a cell tower.

id

location(geo location)

carriers[]

supported\_os[]

is\_public(public or enterprise-specific)

enterprise\_id(if private tower/device)

**11. WorkLocation**

Logical grouping of towers, can be used to make rules and also filter security events on the dashboard.

id

enterprise\_id,

name (SF headquarter, Seattle warehouse, Seattle admin office),

tower\_ids[]

**12. Policy**

Defines allowed/denied actions for apps based on user/device attributes.

id,

enterprise\_id,

app\_id,

role\_id,

os,

device\_type(iphone 14, pixel 6)

location\_id(optional)

remedial\_action (otional, Premium plan feature)

created\_at Timestamp

**13. Rule**

A rule or number of rules help define a policy in varying degrees of granularity. The conditions attribute stores various parameters in a JSONB sructure. This helps us keep the parameter list flexible and make it future-proof without the need to update the DB schema each time there is a change in the parameters. Each parameter like roles, work location, OS supported, carrirers supported etc can be thought of operands in logical AND operation. Each value in parameter can be a logical OR operand in the condition. For example the condtion has {roles: ['manager', 'executive'], work\_locations: ["san francisco", "houston"]}, then the rule will apply to managers or executives who live in either san francisco or houston.

id,

description,

conditions,

effective\_from,

effective\_to,

exceptions

**14. ActionEvent**

Logs a user action detected by a tower.

id,

device\_id,

user\_id,

app\_id,

app\_action\_name,

status(allowed, denied, remediated)

location\_id

timestamp

**15. RemedialAction**

Remedial actions to perform against policy non-compliance at an app level (example write action when not permitted) and also at device level (jail broken device detected, non-compliant app detected)

id

type(disable, block)

duration

**16. PlatformUser**

Represents a SaaS platform operator (not enterprise specific).

id,

email,

name,

status active, suspended

created\_at Timestamp

platformRoles[]

**17. PlatformRole**

Internal platform-level role.

id,

name,

permissions[]