

Data Dictionary

Project Table

Field Name	Data Type	Field Length	Constraint	Description
project_id	serial	n/a	PRIMARY KEY	Surrogate key to identify projects easily.
IP	varchar	50	NOT NULL	The IP address of the server that the project is hosted on. Combination with name needs to be unique.
name	varchar	50	NOT NULL, UNIQUE	The name of the project. Combination with IP needs to be unique.
Username	Varchar	50	NOT NULL	Username for connecting to the server
Password	Varchar	50	NULLABLE	Password for connecting to the server.
Uptime	Varchar	50	NULLABLE	Number of days the server has been running and available.
Scansuccessful	Boolean	n/a	NULLABLE	Boolean to show whether the last scan was successful or not.
Timestamp	Varchar	50	NULLABLE	Timestamp of when the last scan was run.

Software Table

Field Name	Data Type	Field Length	Constraint	Description
software_id	serial	n/a	PRIMARY KEY	Surrogate key to identify specific software easily.
name	varchar	50	NOT NULL, UNIQUE	The name of the software. This needs to be unique within the table.
latest_version	varchar	50	NOT NULL	The version number of the latest available version of the software.

Project_Software Table

Field Name	Data Type	Field Length	Constraint	Description
project_id	integer	n/a	PRIMARY KEY, FOREIGN KEY	Foreign key that references the project id in the project table to identify the project on which the software is installed.
software_id	integer	n/a	PRIMARY KEY, FOREIGN KEY	Foreign key that references the software id in the software table to identify which software it is.

installed_version	varchar	50	NOT NULL	The version number of the software installed on the project server. To be compared against the latest available version.
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EOL Table

Field Name	Data Type	Field Length	Constraint	Description
software_name	varchar	50	PRIMARY KEY	Name of the software. This is a Primary Key value
version	varchar	50	PRIMARY KEY	The version of the software the end-of-life date refers to. This is a Primary Key value
eol_date	date	n/a	NOT NULL	The end-of-life date for the version of the specified software. Indicates when support for the software will end.