

Table 1: Link device ID to item ID Table 2: Link Item ID to item info (name, weight, tare)

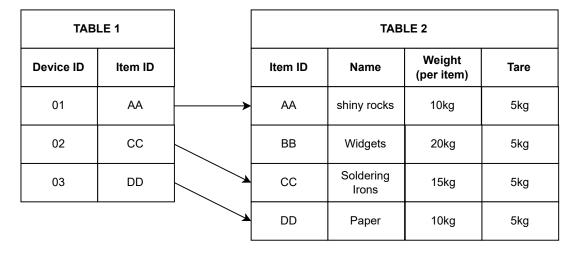


Table 3: Link Device ID to item stock

TABLE 3				
Device ID	Stock			
01	11			
02	42			
03	28			

Let's say that
Device 2's
configuration is
updated in the
database
(i.e. we put a new
item on it)

In Table 1, the row for device 02 (shown in green) gets updated from CC to BB.

The next time
Device 02 checks
its configuration,
the server will
respond with the
info for Item BB
(in the blue row).

TAB	LE 1		TABLE 2			
Device ID	Item ID		Item ID	Name	Weight (per item)	Tare
01	AA	<b>&gt;</b>	AA	shiny rocks	10kg	5kg
02	ВВ	···.	ВВ	Widgets	20kg	5kg
03	DD	*	CC	Soldering Irons	15kg	5kg
		*	DD	Paper	10kg	5kg

Even though CC isn't in stock anymore, it's still in Table 2 for the next time we stock it.