



Table 1:
Link device ID
to item ID

TABLE 1	
Device ID	Item ID
01	AA
02	CC
03	DD

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

TABLE 2			
Item ID	Name	Weight (per item)	Tare
AA	shiny rocks	10kg	5kg
BB	Widgets	20kg	5kg
CC	Soldering Irons	15kg	5kg
DD	Paper	10kg	5kg

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).

TABLE 1	
Device ID	Item ID
01	AA
02	BB
03	DD

TABLE 2			
Item ID	Name	Weight (per item)	Tare
AA	shiny rocks	10kg	5kg
BB	Widgets	20kg	5kg
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.