

Blueprint example — Corvane Mobile

Corvane Mobile is an invented company: no real retailer, its needs and figures made up to show a blueprint filled in. The blank form: [blueprint_form.pdf](#); how to fill it: [the one-page guide](#).

Project	Corvane Mobile
Prepared by	☒ iVendNext Partner ☐ Licensed customer ☐ CitiXsys Consulting Team for Corvane Mobile's IT and store operations teams
Date	2026-10-16
Version	1
Kit version the version of the kit you worked from	the kit of 2026-10-16
Sandbox / staging site the site you tried it on	the partner's own sandbox site

(a) The project in two lines

What the customer wants, and what you will deliver. Two lines, no more.

Corvane Mobile wants its nine stores and its web shop on iVendNext, with every handset tracked by its IMEI from delivery to sale. We deliver the configuration, our Acumatica and WooCommerce connectors, two checks before payment, a warranty key, and two requests for the doors it lacks.

(b) Fit-gap

One row per need, in the customer's words: its card, the card's verdict and door, and every limit.

#	Need (customer's words)	Card	Status	Door	Limits and note
1	Every phone we sell is recorded by its IMEI, and the same IMEI can never be sold twice	imei-per-phone-sold	☐ Ready ☒ Ready, with limits ☐ Not yet ☐ Not possible	Configure	Offline: not run. The IMEI is the item's serial number, received with the stock.
2	Scan the IMEI label on the box, and the till refuses a handset already sold	unit-code-at-scan	☐ Ready ☒ Ready, with limits ☐ Not yet ☐ Not possible	Scan source	A unit sold on another till a moment before: not run in the kit (the product's own tests cover it).
3	Sell our two-year care plan alongside a phone	extended-warranty-as-item	☒ Ready ☐ Ready, with limits ☐ Not yet ☐ Not possible	Configure	The care plan is an item of its own; checked on the sandbox.

#	Need (customer's words)	Card	Status	Door	Limits and note
4	When a customer brings a phone back, the cashier sees whether it is still under the maker's warranty	warranty-check-at-till	☐ Ready ☒ Ready, with limits ☐ Not yet ☐ Not possible	Till key	Online only: the key is dimmed on an offline till; when the service is down the sale goes on; the key's request carries no serial numbers (risk 3).
5	A manager approves any sale over 1,500 before it is paid	manager-for-large-sale	☐ Ready ☒ Ready, with limits ☐ Not yet ☐ Not possible	Check before payment	Answered at Pay, not when the line is entered; the manager signs in on the till (no approval by e-mail).
6	No more than two of a new launch phone in one sale	line-quantity-cap	☐ Ready ☒ Ready, with limits ☐ Not yet ☐ Not possible	Check before payment	Answered at Pay, not when the quantity is typed; the card's check is per line (risk 5).
7	Prepaid airtime top-ups: the PIN is made when the sale is paid and printed on the receipt	voucher-at-payment	☐ Ready ☐ Ready, with limits ☒ Not yet ☐ Not possible	Request	Ask for P-FULFIL. Until it ships (not run): the service reads the booked sale from the event feed and sends the PIN by text message.
8	Customers can pay for a phone in instalments with a pay-later provider	buy-now-pay-later	☐ Ready ☐ Ready, with limits ☒ Not yet ☐ Not possible	Request	Ask us: a buy-now-pay-later tender in our payment connectors.
9	Take the customer's old phone as a trade-in, valued at the till and taken off the new one	none	☐ Ready ☐ Ready, with limits ☒ Not yet ☐ Not possible	Request	No card. Nearest request class: payment / tender (the trade-in as a tender, so the new phone's price never changes after the cashier has seen it, rule 1). An extension-point request to send.
10	Every sale, stock move and purchase goes to our Acumatica	erp-acumatica	☐ Ready ☒ Ready, with limits ☐ Not yet ☐ Not possible	Our connector	About 2.75 complete sales a minute per connection (165 an hour): the launch-day peak is above it (risk 1); one ERP per company.
11	Our WooCommerce web shop shows the stores' stock and prices, and its orders come in	online-shop-woocommerce	☐ Ready ☒ Ready, with limits ☐ Not yet ☐ Not possible	Our connector	It does not reserve stock; it takes percentage vouchers only.
12	Store staff receive deliveries and count stock with a Handheld	receiving-and-counts-on-handheld	☐ Ready ☒ Ready, with limits ☐ Not yet ☐ Not possible	Configure	Handheld books online only; a count has no in-app approval step; Handheld offers no extension point.

(c) Scale profile

Real figures, or a guess marked as one; then work out the peak and check it against the known limits.

Measure	Value	Basis
Stores	9	☒ counted ☐ estimated
Tills per store, by kind (counter · phone · tablet · Handheld)	2 counters, 2 phones, 1 Handheld (18 counters, 18 phones and 9 Handhelds in all)	☒ counted ☐ estimated
Active products (and variants)	4,200 items; the 1,100 phones among them come in 3,600 colour and storage variants	☒ counted ☐ estimated
Customers on file	60,000	☒ counted ☐ estimated
Sales per day per till — an average day	45 on a counter, 12 on a phone	☐ counted ☒ estimated from last year's till reports
Sales per day per till — the busiest day	3 times the average, on a flagship phone's launch day	☐ counted ☒ estimated from last year's launch
Lines per sale (average)	1.6	☒ counted ☐ estimated
Peak-hour share (share of a day's sales in the busiest hour)	15%	☐ counted ☒ estimated
Offline hours expected per till per week; the longest single outage	1 hour; 5 hours (a cut line at a mall store last year)	☐ counted ☒ estimated
Integration event volume per day; at the peak hour	about 3,000 a day (1,026 sales, 1,640 stock moves, 150 purchases and transfers, 140 web orders), 450 at the peak hour; on a launch day about 8,600, 1,300 at the peak hour	☐ counted ☒ estimated worked out from the figures above

The peak, worked out. Sales per day = 9 stores × (2 counters × 45 + 2 phones × 12) = 9 × 114 = 1,026. In the peak hour: 1,026 × 15% = 154, or 2.6 a minute. On a launch day: 3,078 a day, 462 in the peak hour, or 7.7 a minute.

Against the known limits. The average peak (154 an hour) is just under one Acumatica connection's 165 an hour. The launch-day peak (462) is 2.8 times it. The estate has 45 devices, against a largest live estate of 18 terminals. The longest outage (5 hours) is inside the 24-hour sales snapshot. Handheld books online only, so receiving and counts stop during an outage.

(d) Integration map

One row per outside system and direction: its door, what moves, how much, and what happens when it is down.

System	Direction	Door	What moves	Volume (per day / peak hour)	Who owns the far side	Our connector or your app	Identity map kept by	If the far side is down
Acumatica	out	event feed	the stores' sales, stock moves, purchases and transfers	about 2,800 a day; 154 sales at the peak hour, 462 on a launch day (web orders: risk 1)	the customer's finance team and its Acumatica partner	our Acumatica connector	the connector	not covered by the kit: ask us how the connector catches up (risk 1)
WooCommerce web shop	out and in	API	orders in; stock and prices out	about 140 orders a day; 420 on a launch day	the customer's e-commerce agency	our WooCommerce connector	the connector	orders wait on the shop's side; stock is not reserved meanwhile
Airtime top-up provider	out and in	event feed (P-FULFIL once it ships)	the top-up sale out; the PIN in	about 200 a day (one sale in five carries a top-up)	the airtime provider	the partner's outside app	the outside app	the PIN is sent when the provider returns; the customer is told at the till
Phone makers' warranty services	in	till key	the warranty of a phone brought back	about 30 a day (returns and repairs, about 3% of sales)	each phone maker	the partner's outside service	—	the key says it could not finish, nothing is added, and the sale goes on

(e) What this blueprint switches on

Each module on or off, and the row or figure that decides it.

Module	On / off	Because (row or figure)
Joint extension-point lane	☒ On ☐ Off	row 7 waits on P-FULFIL and the customer wants top-ups at go-live; row 9 needs an extension-point request
Scale proof	☒ On ☐ Off	the launch-day peak (462 sales an hour) is 2.8 times one Acumatica connection, and 45 devices is above the largest live estate of 18 terminals
Release gate in the customer's CI	☒ On ☐ Off	rows 5 and 6 reach the sale through a check before payment, and row 4 through a till key
Dedicated bench (CitiXsys Consulting Team only)	☐ On ☒ Off	no need requires embedded Python, and an iVendNext Partner builds the project

(f) Risks and open questions

What you do not know yet, what would settle it, and who can answer.

#	Risk or question	Touches	What would settle it	Who can answer
1	The launch-day peak (462 sales an hour) is 2.8 times one Acumatica connection; whether the 140 web orders a day count against the same connection, and what the connector does while Acumatica is down, are not in the kit	row 10, (c), (d)	the scale proof on the sandbox; how many connections the customer's release carries, and how the connector catches up	us; the builder
2	Top-ups at go-live wait on P-FULFIL; until it ships the PIN goes by text message, not on the receipt	row 7	the extension point's release, or the customer accepting the text message for the first months	us; the customer
3	The maker's warranty is held per IMEI, but the till key's request carries no serial numbers	row 4	answer by model and the original sale's date at the till, or by IMEI once the return is booked; try both on the sandbox	the builder; the customer
4	A five-hour outage at a mall store: Handhelds cannot receive or count, and the warranty key is dimmed	rows 4 and 12, (c)	a rehearsal on the sandbox with the till offline, and a paper fallback for deliveries	the builder; the customer's store operations team
5	The two-per-sale limit is checked per line, so a cashier could put the launch phone on two lines	row 6	a basket test on the sandbox: the service adds up the phone's lines before it answers	the builder
6	Trade-ins have no door: stores value them by hand until the extension-point request is answered	row 9	the answer to the extension-point request	us