

SmartPOS Store App push operation



The app push process – before we go

Important information

The **app push process** is one of the great benefit of the SmartPOS Store. It allows to **fully automate app distribution** within the range of terminals however the Store supports also manual push operation for one or bunch of selected terminals.

Before we go deeper into the processes, there are couple of **important information** to be familiar with:

- **Prior the push** setup or execution the app must be fully deployed to the Store. This means, the **app is certified** (signed) by WL, **deployed** by provider, **and approved** by WL partner manager.
- The push task may be applied to **single** terminal or a **group** of terminals or specific **merchant type**.
- The groups of terminals are always defined **by terminal model** (one group cannot consists of 2 different terminal models)

- There are 2 different types of terminal groups:
 - **General group**: a static construct consists of manually added terminals of same model for the specific reseller (or few of them)
 - **Dynamic group**: a flexible construct defined for specific terminal model and for the specific reseller (or few of them) where the terminals are assigned automatically
- The **reseller** is virtual object for grouping specific merchants (may represent a specific market or real reselling organization or large merchant/retailer)
- In one push operation may be executed (or defined) for **single or couple** of different applications.
- The push operation may be defined to be executed immediately or any defined time later.

Additional push operation types

SmartPOS Store capabilities

Push

Message

Combined with and executed for
group of terminals

Push

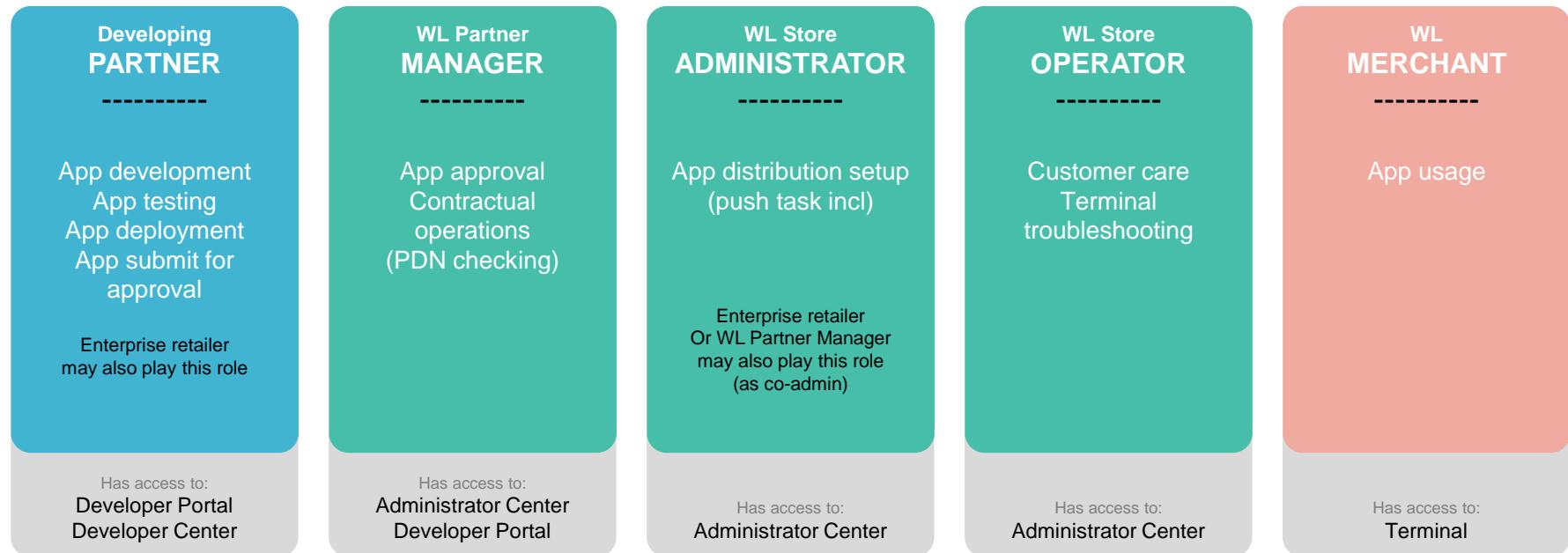
Uninstallation

Combined with and executed for
group of terminals for specific application(s)

The next pages focus on primary push operation: **app installation**

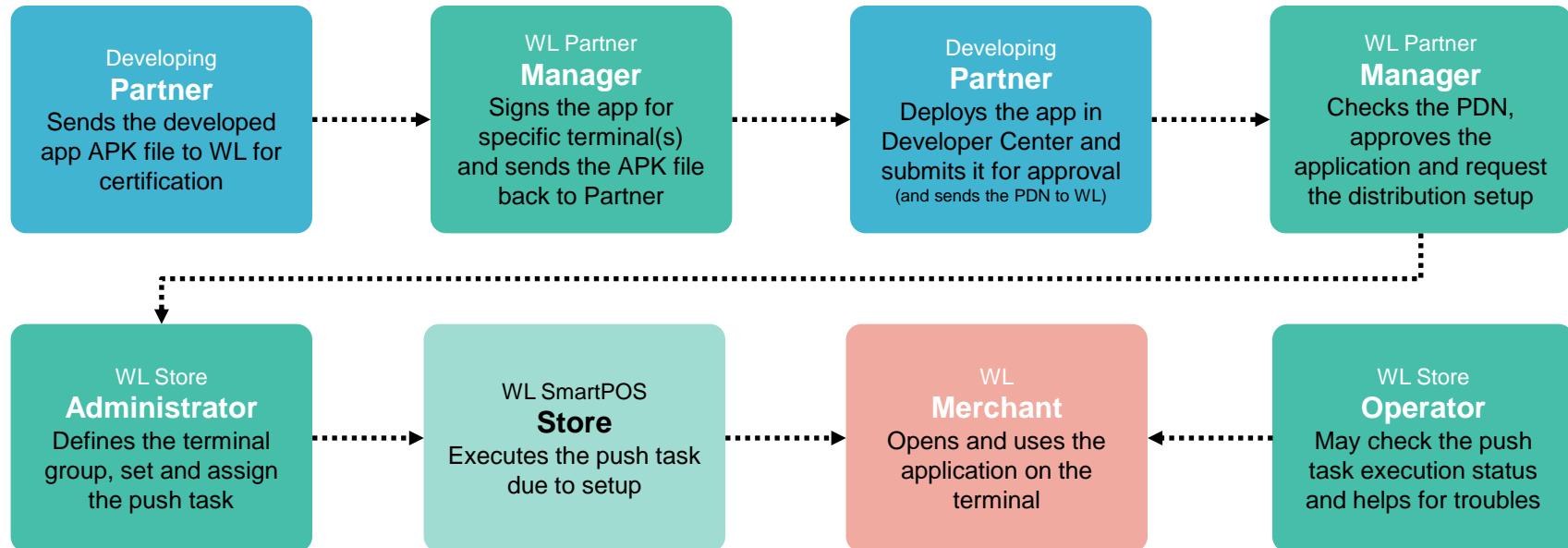
The app push process – before we go

Process stakeholders



The app push process – how it works

General overview

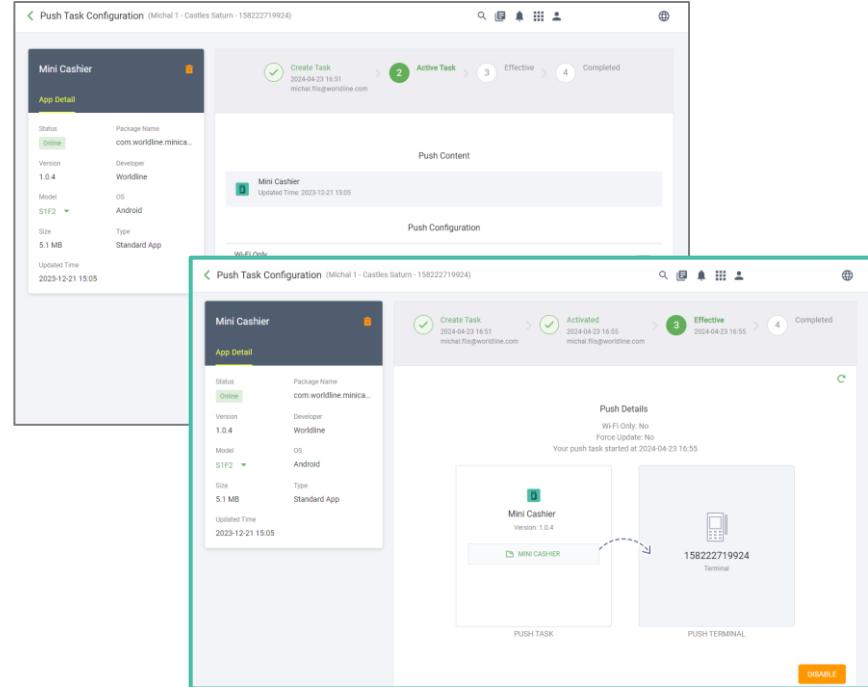


The app push process – manual execution

For selected terminal

Once the app is deployed, and approved the Store Administrator is requested by WL Partner Manager to setup the distribution and setup the push task for the app.

1. App is assigned to a specific market, re-seller or merchant
2. WL Admin finds the terminal for which the push task will be defined and executed. The terminal is always assigned to Merchant and (via Merchant) to Reseller (a market or business entity)
3. In the Terminal view WL Admin finds the Push task set up panel and defines the push task parameters like exact timing, terminal internet connection type or overriding the existing version of the app etc.
4. After the set up the push task is activated for an execution.
5. Store Backend sends APK file to the terminal and the Store agent service app executes the installation.



The app push process – batch operation

On group of terminals

Once the app is deployed, and approved the Store Administrator is requested by WL Partner Manager to setup the distribution and setup the push task for the app.

1. App is assigned to a specific market, re-seller or merchant
2. The Admin may use one of already created group or may create a new group of terminals
3. Once the group is created the push task may be set up and applied to that group – this requires specific app selection and definition of push task parameters like exact timing, terminal internet connection type or overriding the existing version of the app etc.
4. After the set up the push task is activated for an execution.
5. Store Backend sends APK file to the terminal and the Store agent service app executes the installation.

The screenshot displays three main windows from the WL Partner Manager:

- Group List:** Shows a list of groups: "General Group" (selected), "Dynamic Group", "OPS test 202311 group", "GPS RETAILER TEST", "Default Apps S1F2", "WL DEV RE-SELLER", and "Test dynamic group for Ca...".
- Group Detail:** Shows details for the "OPS test 202311 group" (Terminal Number: Castles-S1F2 (27)). It includes tabs for "Terminal List", "Push Task" (selected), "Group Detail", and "Parameter Variables". Under "Push Task", it lists two tasks:
 - eID Reader (1.0.0)**: Type: Standard App, Push Time: 2024-01-18 16:25, Model: S1F2, 41.18% Success, 14/34 Terminal.
 - Pay Now (1.3.2)**: Type: Standard App, Push Time: 2023-12-22 10:30, Model: S1F2, 26.32% Success, 10/38 Terminal.
- Add Push App:** A modal dialog showing a list of available apps:

App Name	Version	Size	Type	Developer	Updated Time
SmartposAPI-Service	1.4.2	6.8 MB	Standard App	Worldline	2024-04-18 11:42
Mini Cashier	1.3.0	5.2 MB	Standard App	Worldline	2024-04-18 10:25
Pay Now	1.4.2-pilot	7.1 MB	Standard App	Worldline	2024-04-18 10:17
eID Reader	1.0.0	5.9 MB	Standard App	Worldline	2024-01-18 12:54
Settings SmartPOS	1.0.0	9.8 MB	Standard App	Worldline	2023-12-19 16:06

The app push process – setup for automation

On **DYNAMIC** group of terminals – full automation

The process set up looks the same as for the terminal group, but the **DYNAMIC** group is selected (or defined) to assign push task.

The dynamic group properties allow to '**set and forget**' optimization. Once the group is defined for a specific terminal model and specific reseller (market or business entity) **ALL NEW** connected **terminals** of the same model (of the same reseller) will be assigned to that group automatically.

Moreover, once the push task for specific application is defined for the group **ALL NEW** terminals of that group will be automatically executed with that push task.

The dynamic grouping combined with the push task allow to fully automate the new terminal set up for the apps (one or more apps may be defined for a single push operation).

The screenshot shows the Worldline SmartPOS Store interface. On the left, the 'Group List' sidebar shows several groups, with 'Test dynamic group for Castles - WL DEV RE-SELLER' highlighted. The main area, titled 'Group Detail', displays information for 'Test dynamic group for Castles' (Terminal Number: Castles-STF2 (31)). It includes tabs for 'Terminal List', 'Push Task', 'Group Detail', and 'Parameter Variables'. Below this, a table lists 12 terminals, all marked as 'Active', with columns for Terminal Name, SN, TID, Merchant Name, Task, Created Time, and Status.

#	Terminal Name	SN	TID	Merchant Name	Task	Created Time	Status
1	26197130	158223833200	26197130	Barcelona - Ascott test	0/0	2024-02-28 17:04	Active
2	Jeanne Castles	158223833795	26197134	Barcelona - Ascott test	0/0	2024-02-28 16:59	Active
3	Xavier Castles	158223837043	26197129	Barcelona - Ascott test	0/0	2024-02-28 16:57	Active
4	Razan 1	158222542905	9087D08C	Secilin - Razan Assaad	0/0	2024-02-28 10:59	Active
5	Javier 2	158222720378	08J5V8M	Zurich - Javier Alende	0/0	2024-02-14 14:40	Active
6	Javier 1	158213609599	RR0V56JS	Zurich - Javier Alende	0/0	2024-02-14 14:40	Active
7	Alejandra 1 - Castles Saturn	158222644968	6T4TICKJ	Lille - Alejandra Uriego	0/0	2024-02-09 13:53	Active
8	Cedric - Saturn	158223836170	0Y6SLC1S	Lille - Cedric Lameire	0/0	2024-01-15 16:22	Active
9	Castles-EUR-26197054-4G	158222843032	MSKJ7YDN	Brussels - Lieven	0/0	2024-01-04 12:27	Active
10	IEC	158223836179	TE0F4YP3	Secilin - Romain Querleu	0/0	2023-12-14 11:39	Active
11	Romain - NIEXP 015 - Julien D	158223836175	110M5EEI	Secilin - Romain Querleu	0/0	2023-11-29 17:30	Active
12	Castles 26104422 PRODUCTION	158223834365	AYQ0AOQL	Brussels - Lieven	0/0	2023-11-17 08:56	Active

Bind app distribution

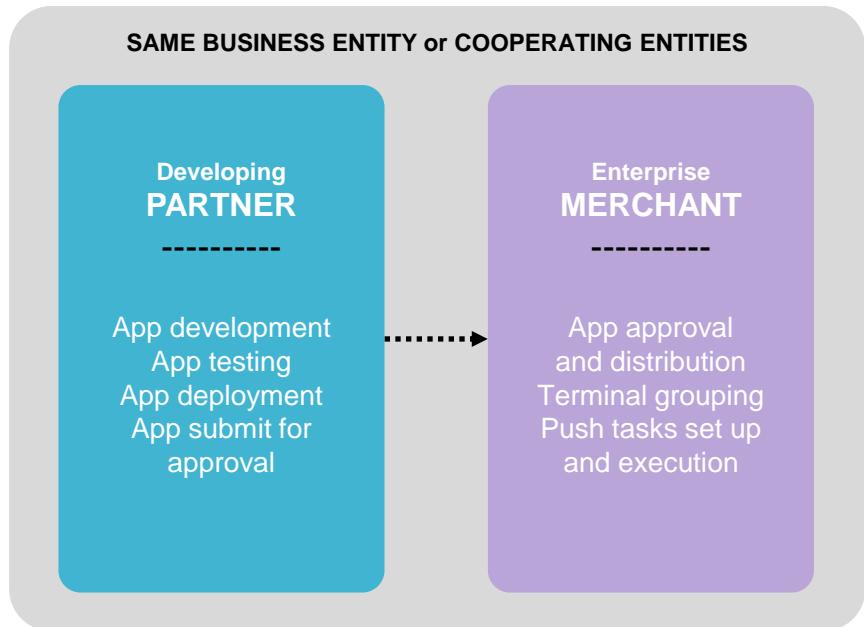
For Enterprise clients having own app provider (or being app provider directly)

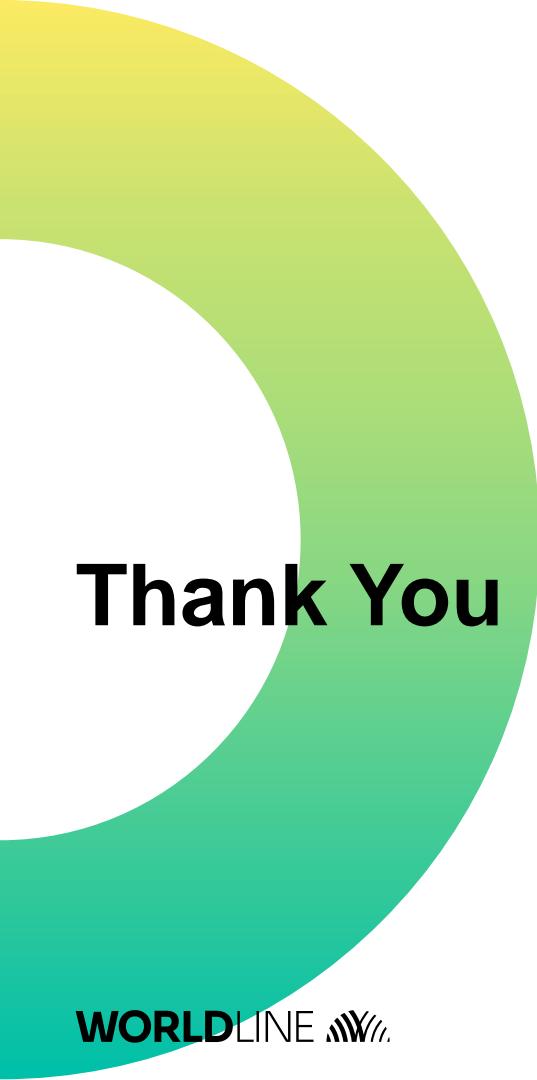
There might be a specific case for **Enterprise market** when the WL client for SmartPOS Services (Merchant) **plays a combined role of app provider and app distributor** (and possibly user).

This is common case for large business enterprises having their own development team or cooperating with the 3rd party app providers for app development and deployment on the exclusivity mode.

The Store allows to combine both roles with binding the Developer (app provider) with the Reseller (app user) – the same business entity may be granted with access to Developer & Administrator Centers for app delivery and distribution.

Once the connection is set all apps deployed by the Developer via the Developer Center are automatically approved and combined with dynamic grouping & push tasks may be distributed to the Reseller's terminals, so no personal assistance is required.





Thank You



For more information please contact:

Michał Flis

ToM&AE