



Canopy Software Applications

Overview of the On-line Software License Fulfillment Process

What is on-line software license fulfillment?

- **Motorola's license portal allows end-user customers to collect and manage their software license keys on demand.**
- **Order authorization codes are no longer required.**
- **Software can be downloaded via an online website.**

Licensing Portal:

<http://licensing.motorola.com/>

Benefits of On-Line Software Fulfillment

- **Simplified software ordering process**
 - Customers do not have to create an authorization code to include with the software order.
 - Customers can order software in the same fashion as hardware.
 - There is no delay matching up MAC address information.
- **More convenient license generation**
 - Software license keys can be created by the end customer at any time using a standard web browser and the on-line licensing portal.
 - Self service for license management.
- **Faster end-to-end turnaround time on software orders**

Software Products Supported by On-line Fulfillment Process

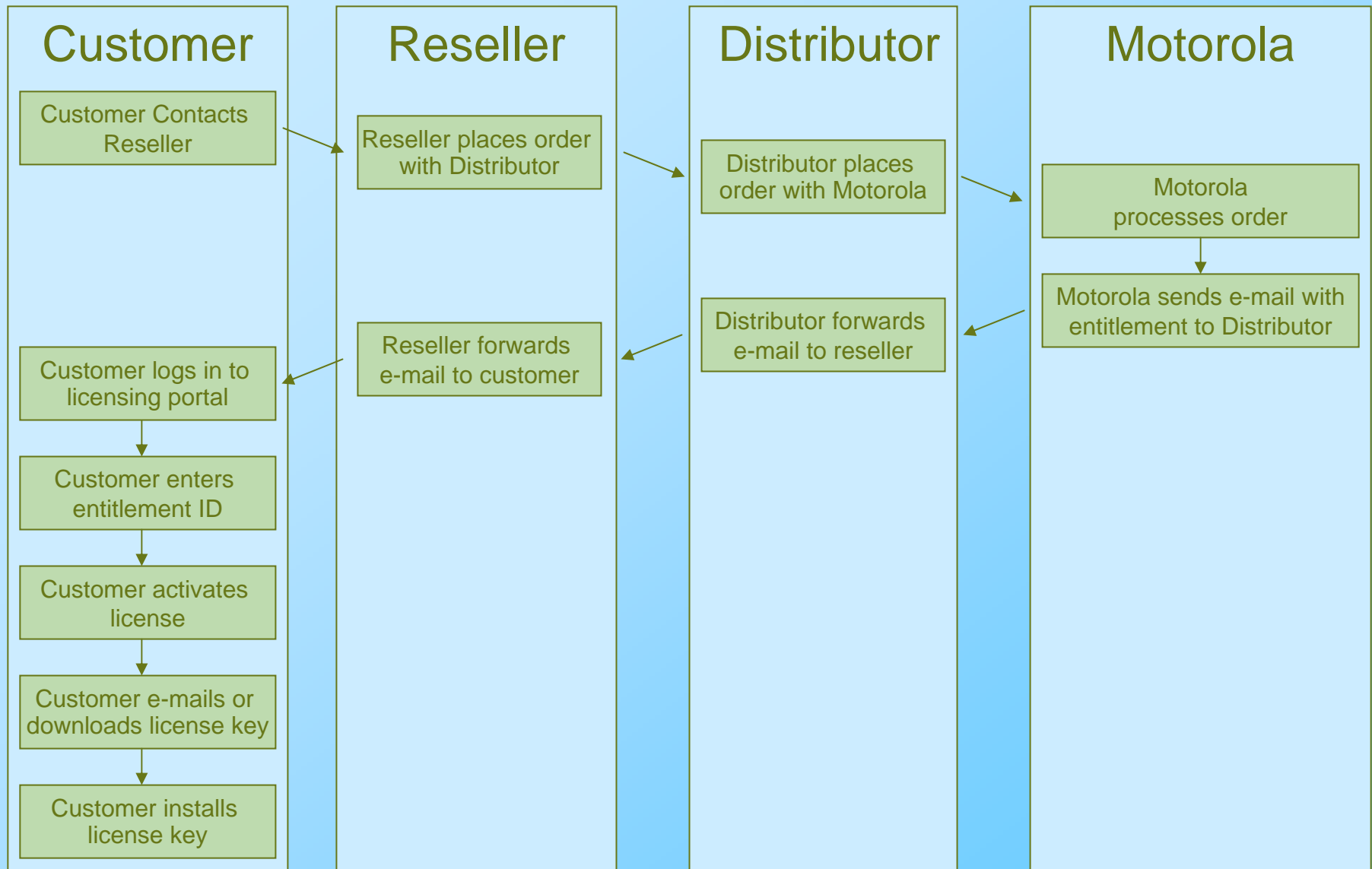
- **Floating Licenses (licenses are tied to Prizm License Manager)**
 - Prizm Servers
 - EMS License Packs
 - BAM License Packs
 - Lite SM Throughput Upgrades
 - Advantage SM Floating Upgrades
- **Fixed Licenses (licenses are tied to each radio)**
 - Advantage AP Fixed Upgrades
 - Advantage SM Fixed Upgrades



How does the On-Line Software Fulfillment Work?

- **Software orders are placed in the same fashion as hardware orders (purchase order with a part number).**
 - No MAC Address or Authorization code needed.
 - Each software order must reference only one customer so entitlement IDs can be generated uniquely.
- **The order is received and processed by Motorola Canopy.**
- **From the order an entitlement ID is created and sent by e-mail to the distributor.**
 - The entitlement ID e-mail contains a link to the licensing portal and a unique one-time use entitlement key used to access the licenses ordered.
- **The distributor will forward the e-mail on to his/her customer.**
- **The reseller will forward the e-mail to the end customer.**
- **The customer logs in to the licensing portal, provides license manager MAC address(es), and obtains the software license.**

Software Ordering Process

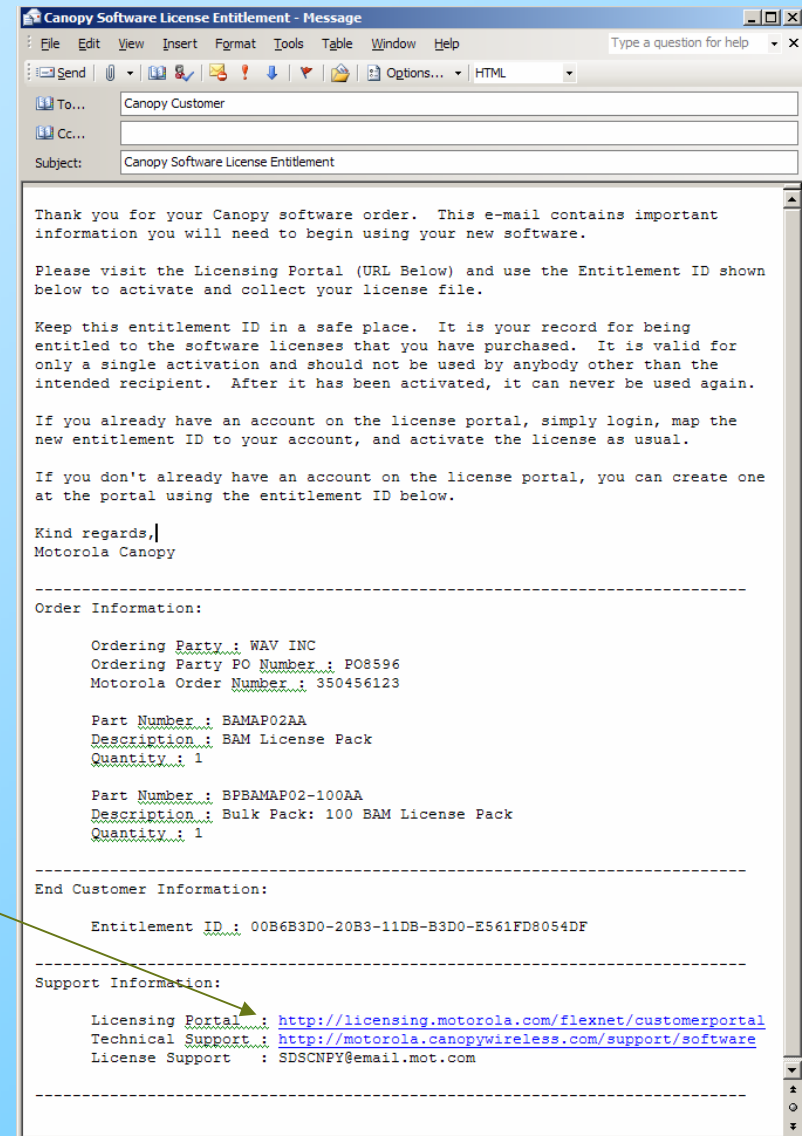


Entitlement E-mail Sent to Distributor

End customer receives the entitlement e-mail from the distributor and clicks on the hyperlink to the licensing portal.

Licensing Portal:

<http://licensing.motorola.com>



License Portal Login Screen

1. Customer creates new user account, or
2. Customer logs in with existing username and password

The screenshot shows a web browser window titled "Mozilla Firefox" with a menu bar containing "Bookmarks", "Tools", and "Help". The main content area displays a "login" form. On the left, a "Login" button has two options: "With User Id:" and "New User?". The main form area features the Motorola logo and a message: "This website allows you to automatically fulfill software licenses. In order to create an account you will need an entitlement ID which will be sent to you from your reseller. You will need to create a new log on and password for your first order." To the right of the message are input fields for "User Name:" and "Password:", followed by a "Forgot your password?" link and a "Login" button. Two green arrows point from the list on the left to the "New User?" link and the "User Name:" input field.

License Portal Home Page

The screenshot shows the Motorola License Portal Home Page in a Mozilla Firefox browser window. The browser title is "Motorola - Home Page - Mozilla Firefox". The address bar is empty. The page has a blue header with the Motorola logo and the text "MOTOROLA". Below the header, it says "Logged in as Bruce Collins in WST timezone". There are links for "Profile", "Help", and "Logout". The main navigation bar has buttons for "Home Page", "Manage Entitlements", and "Manage Licenses". The main content area is titled "Home" and contains a section "Begin Here to Fulfill your Canopy Software Licenses". This section lists four steps: Step 1: Add additional entitlements to your account; Step 2: Generate the software license key using entitlements and appropriate MAC address; Step 3: Collect your software license key; and Step 4: Install the software license key on your network. Each step includes a brief description and a link to the relevant page. The Canopy logo is displayed at the bottom of the main content area, with the text "Motorola Wireless Broadband Platform" below it. The footer of the page contains the copyright notice "Copyright (c) 2004-2006 Motorola. All Rights Reserved."

Motorola - Home Page - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

MOTOROLA

Logged in as Bruce Collins in WST timezone

Profile Help Logout

Home Page Manage Entitlements Manage Licenses

Home

Begin Here to Fulfill your Canopy Software Licenses

Step 1: Add additional entitlements to your account.

- Using the entitlement id in the e-mail sent to you from your software order click [Add New Entitlement to Your Account](#)
- This will allow you to manage all of your entitlements from within your user account.

Step 2: Generate the software license key using entitlements and appropriate MAC address.

- A MAC is needed to create each software license key.
- For floating licenses, such as Prizm, EMS license packs, BAM license packs, Advantage SM upgrades, or Canopy Lite SM upgrades, this is the MAC address of your license manager server.
- For fixed licenses, such as Advantage AP upgrades, this is the MAC address of the AP.
- Click [Manage Entitlements](#) to begin this step.

Step 3: Collect your software license key.

- By clicking [Manage Licenses](#), you will have three options to collect the key after it is generated. The key can be saved to a file, cut and pasted to a file, or sent via e-mail to an address of your choosing.

Step 4: Install the software license key on your network

- A link to instructions for installing the license can be found in the e-mail containing the software license key.

Manage Account

- [Change Password](#)

Manage Entitlements

- [Browse](#)
- [Add New Entitlement To Your Account](#)

Manage Licenses

- [Browse](#)

Motorola Canopy Links

- [Canopy Home](#)
- [Software Download](#)
- [Tutorial](#)

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Motorola Wireless Broadband Platform

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Enter New Entitlement IDs

Additional entitlement IDs are added to the user's account.

The screenshot shows a web browser window titled "Motorola - Home Page - Mozilla Firefox". The page header includes the Motorola logo, the text "MOTOROLA", and a login status "Logged in as Bruce Collins in WST timezone". Navigation links for "Profile", "Help", and "Logout" are visible. A secondary navigation bar contains "Home Page", "Manage Entitlements", and "Manage Licenses".

The main content area is titled "add new entitlement to your account". It features a form with an "ID:" label and a text input field containing "F946B8F0-2302-11DB-B8F0-C690DA850E0C". Below the input field, a note states: "Enter either the Entitlement ID or the License ID that you want linked to the current user ID." There are "Add ID" and "Cancel" buttons.

To the right of the form, a section titled "Mapped Entitlement and License IDs." contains a table with three columns: "Entitlement ID", "License ID", and "Description of ID". The table is currently empty.

A sidebar on the left contains four sections: "Manage Account" with a "Change Password" link; "Manage Entitlements" with "Browse" and "Add New Entitlement To Your Account" links; "Manage Licenses" with a "Browse" link; and "Motorola Canopy Links" with "Canopy Home", "Software Download", and "Tutorial" links.

The footer of the page includes the copyright notice: "Copyright (c) 2004-2006 Motorola. All Rights Reserved."

License Portal: Manage Entitlements

Motorola - Manage Entitlements - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

MOTOROLA
Logged in as **Bruce Collins** in **WST** timezone

Profile Help Logout

Home Page Manage Entitlements Manage Licenses

manage entitlements

Search For Search By License ID

Activatable Line Items

Activate Print View Certificate Email

Type	License ID	Entitlement ID	Parent Bulk	Sold To State	Product	Version	Copies Left	Expiration
<input type="checkbox"/>	D9FAEE50-20B2-11DB-AE50-C...	D9F76BE0-20B2-11D...		Deployed	Advantage Access Point Upgrade	1.0	1	PERMANENT
<input type="checkbox"/>	EE58B4E0-20B2-11DB-B4E0-B...	EE5188F0-20B2-11D...		Deployed	Prizm 2.0 Single Server License Kit (Promotion)	1.0	1	PERMANENT

Page 1 of 1

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From the manage entitlements page, select the entitlement to be activated. Customer can also print, view as a certificate, or email the entitlement.

Entitlement Certificate

File Edit View Go Bookmarks Tools Help



MOTOROLA

Entitlement ID: EE5188F0-20B2-11DB-88F0-D71ECAD0F83F

Entitlement Certificate

Motorola grants you the right to activate the following product(s):

Product	Description	Part Number	Quantity
Prizm 2.0 Single Server License Kit (Promotion)	Canopy Prizm 2.0 Server License Kit (Single Prizm server) Includes Ten (10) EMS License Packs and Ten (10) BAM License Packs (Promotion Limit 1 per customer)	QPTK30001B	1

If you have any questions, please contact us at SDSCNPY@email.mot.com.

Kind regards,
Motorola Canopy

Done



MOTOROLA

License Portal: Confirm the License

Motorola - Manage Entitlements - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

MOTOROLA

Logged in as **Bruce Collins** in **WST** timezone

Profile Help Logout

Home Page Manage Entitlements Manage Licenses

manage entitlements

Generate Licenses

Ship to Email:

Using email, where should Operations send the license?

LicenseId	Product	Version	Expiration Date
EE58B4E0-20B2-11DB-B4E0-B...	Prizm 2.0 Single Server License Kit (Promotion)	1.0	PERMANENT

Verify the line item information and click 'Next' to configure MAC Addresses.

1 Configure License Model Attributes
• Configure License Model Attributes

→ **2** Configure Hosts
Configure Hosts

→ **3** Confirm Fulfill Counts
Confirm Fulfill Counts

Cancel Next

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Activate Licenses: Enter MAC Addresses

Motorola - Manage Entitlements - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

MOTOROLA

Logged in as **Bruce Collins** in **WST** timezone

Home Page Manage Entitlements Manage Licenses

manage entitlements

Generate Licenses

Floating Licenses

To create software keys for floating licenses such as Prizm servers, Canopy Lite SM upgrades, or EMS/BAM license packs, the MAC address of your license manager is used to lock the software license key to your particular network. The MAC address is a unique identifier of your license manager server. This license management software is available for download at no charge and can be loaded on your Prizm server. If you are generating floating licenses, please enter the MAC address of your license manager below.

(IMPORTANT NOTE: Motorola also offers a redundant license manager option that lets you configure 3 servers as license managers to provide higher availability in case of a single license manager failure. If you choose the redundant license manager option all floating licenses must be consistently created with the same three MAC addresses on which you've chosen to run the license managers. You **CAN NOT** mix single license manager (1 MAC) floating licenses with redundant license manager (3 MAC's) floating licenses. This conflict could cause network interruptions. If you are using redundant license management, please enter all 3 MAC addresses below.)

Selected Line Items

LicenseId	Product	Version	Expiration Date
EE58B4E0-20B2-11DB-B4E0-B...	Prizm 2.0 Single Server License Kit (Promotion)	1.0	PERMANENT

MAC Address(es):

001122334455

Please enter values for the hosts and click 'Next' to confirm counts.

Cancel Back Next

1 Configure License Model Attributes ☒ → 2 Configure Hosts ☒ → 3 Confirm Fulfill Counts ☐

Configure License Model Attributes Configure Hosts Confirm Fulfill Counts

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MAC address of Prizm License Manager

Activate Licenses: Final Check

Motorola - Manage Entitlements - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

MOTOROLA

Logged in as **Bruce Collins** in **WST** timezone

Profile Help Logout

Home Page Manage Entitlements Manage Licenses

manage entitlements

Confirm Counts

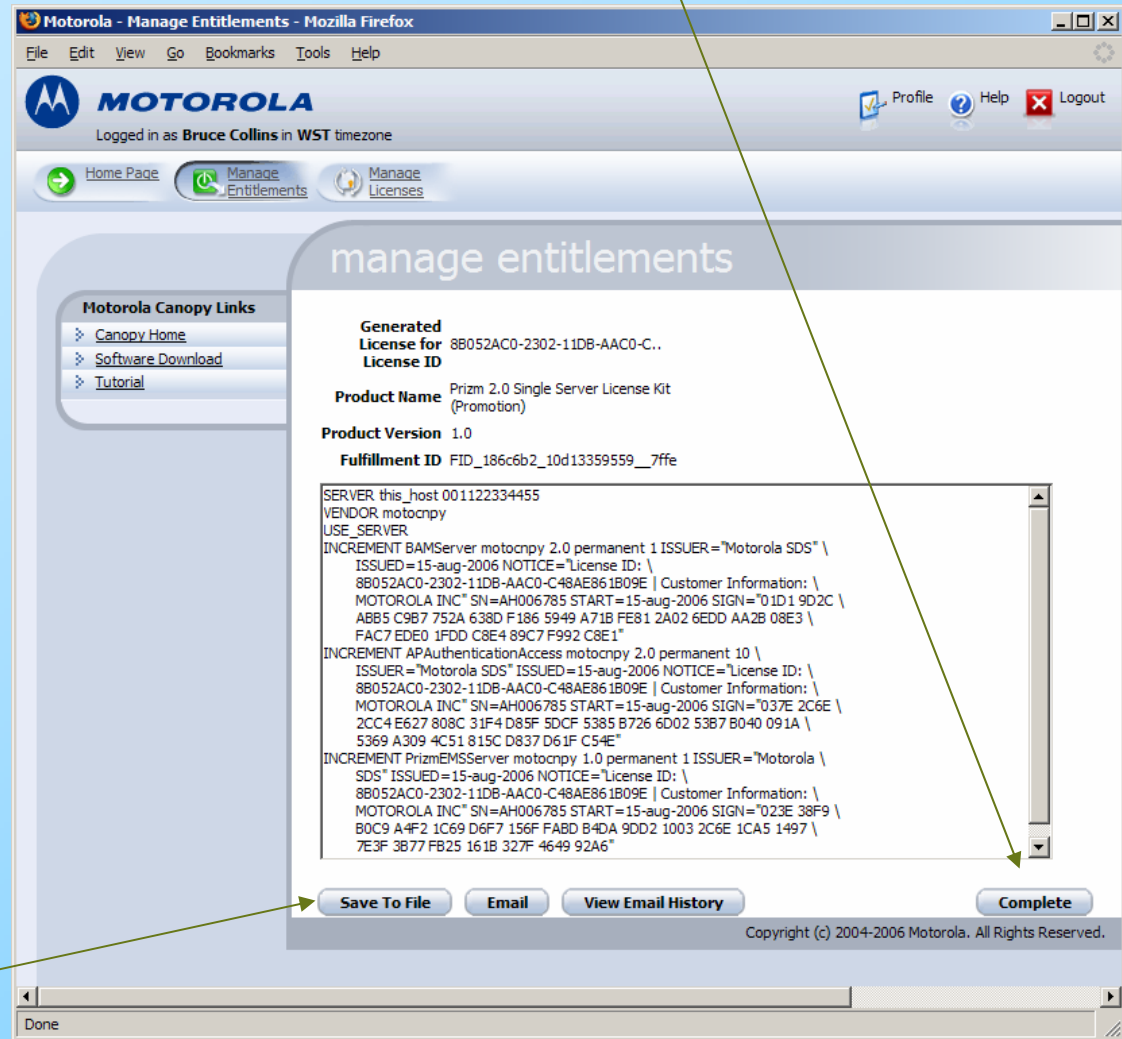
Selected Line Items					Fulfill Counts
LicenseId	Product	Version	Copies..	Extra ..	001122..
EE58B4E0-20B2-11DB-B4E0-B...	Prizm 2.0 Single Server License Kit (Promotion)	1.0	1	0	1

❖ Click 'Generate' to generate the license.

1 Configure License Model Attributes ✓ → 2 Configure Hosts ✓ → 3 Confirm Fulfill Counts
Configure License Model Attributes Configure Hosts • Confirm Fulfill Counts

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Activate License: Complete



The user also has the ability to save the license to a file, email, or view an email history of the license.

That's it, Quick, Easy, Simple Licensing on Demand!

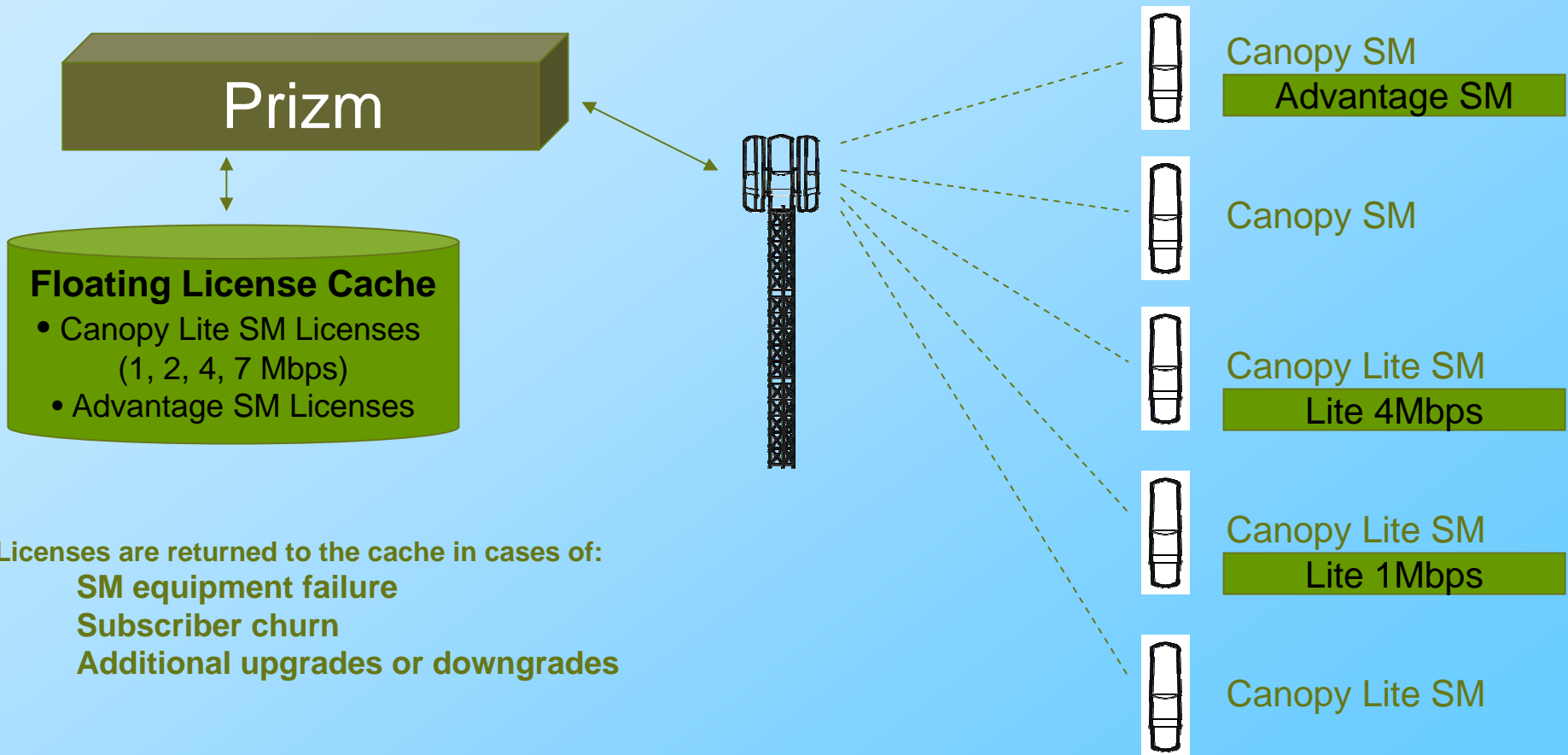
- **For an online tutorial please visit:**
<http://www.motorola.com/canopywireless>
- **You can also access the Live Software Fulfillment tool from Motorola Canopy's homepage:**
<http://canopywireless.com/>
 - Click on Support and then Software Updates

Back Up Slides



Prizm and Floating Licenses

Reduce the cost of deploying optional software features.



Prizm Server Configurations

Redundant Server: Optional Prizm feature that provides a backup for SM authentication if the primary Prizm server is not available. Can be deployed with up to two redundant servers for each Prizm server.

License Manager (LM): Copy protection software tool that receives requests and issues authorization to run a specific piece of software. Can be deployed as a single server or three servers for high availability. *No charge download from Canopy web-site.*

Two Typical Configurations

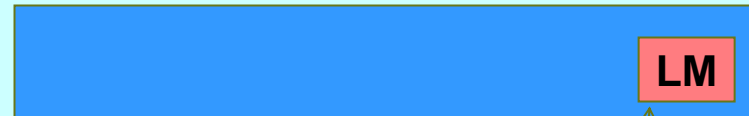
Configuration 1: Single Server

Server 1

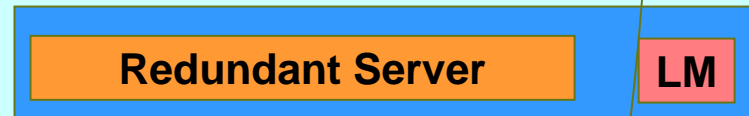


Configuration 2: Three Servers

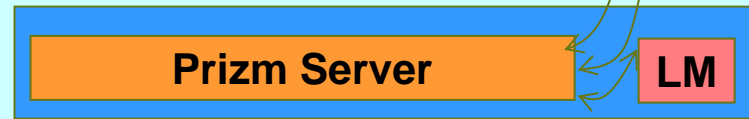
Server 3



Server 2



Server 1



Software License Fulfillment Process Demonstration and Tutorial



Converting Entitlement IDs into Software License Keys



Software License Fulfillment Process Demonstration Conclusion



