

Providing an integrated Linux POS platform to enable leading-edge applications and technologies



IBM Retail Environment for SuSE Linux



Linux-based application on the IBM SurePOS 700 system.

Highlights

- **Delivers comprehensive platform support through a single point of contact**
- **Offers potential for cost-effective TCO by reducing initial investments and streamlining operations**
- **Provides SuSE Linux installation packages optimized for the retail marketplace**
- **Helps enable you to capitalize on existing investments and next-generation technologies**

Enables retailers to select a Linux-based platform

Designed to help enhance operations at the critical point of sale (POS), the IBM Retail Environment for SuSE Linux can help retailers reduce complexity and costs, and optimize flexibility storewide. Combining a SuSE Linux operating system that has been optimized for retailers with IBM SurePOS™ and IBM @server® xSeries® systems, as well as select industry-leading IBM middleware, retailers have the opportunity to choose a scalable, security-rich

operating environment across their enterprises—all at a low total cost of ownership (TCO). Plus, IBM provides world-class services and support through a single point of contact. As a result, your employees can focus on core competencies, improving productivity and driving revenue to the bottom line. And you can rely on our proven industry expertise and ability to help make Linux an excellent choice for the retail marketplace.

Providing a single point of contact for support

The Retail Environment for SuSE Linux encompasses support and maintenance—including testing on select IBM middleware and hardware technologies—for the entire lifecycle of this retail-optimized SuSE Linux operating system. This enables you to access a single source for support and maintenance of your SuSE Linux platform over the long term. Plus, by actively engaging with the open-source community, IBM continually applies its Linux thought-leadership toward establishing and delivering new requirements for the retail industry.

Enabling a low TCO across your stores

Taking advantage of Linux can help reduce TCO by eliminating license fees. By supporting cross-platform interoperability, this solution is designed to enable you to run the same operating system on your mainframe, in-store servers and at the POS. You can be more resilient to change by simplifying operations, and you can help lower ongoing support costs through better utilization of technology expertise across your stores and organization. What's more, this solution can help enable you to leverage existing technology, protect investments and provide a flexible foundation for the future—all of which can help you respond to customer needs.

Optimizing your retail environment with predefined Linux installation packages

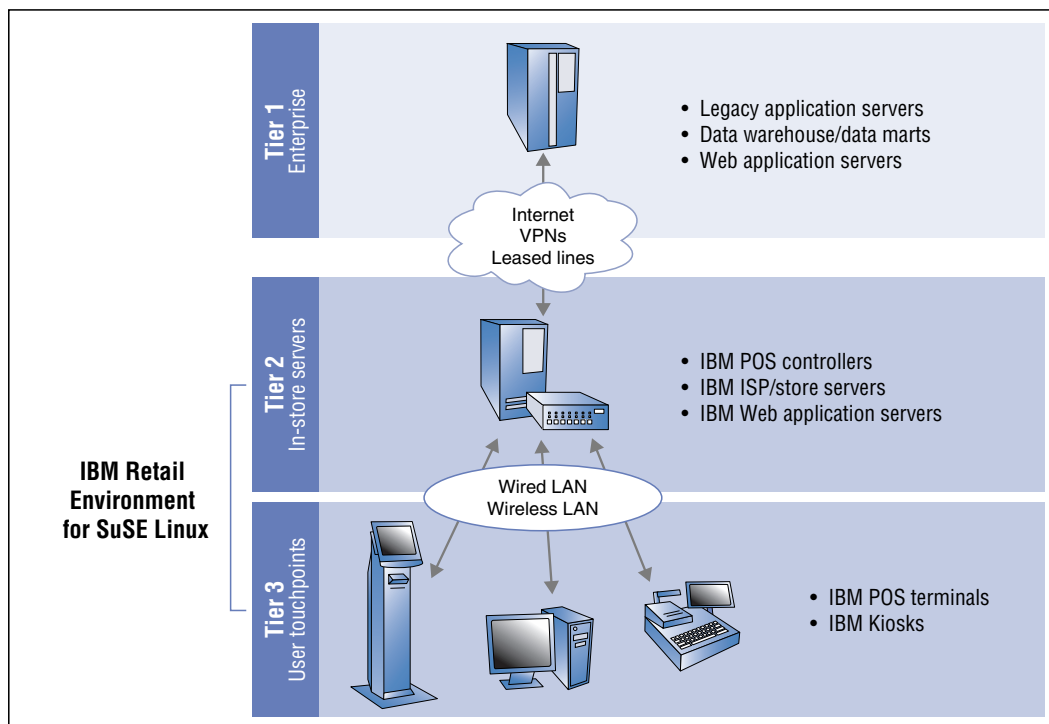
Working with SuSE, IBM has defined optimized Linux installation packages tailored specifically for retail, designed to help reduce complexity and facilitate ease of installation. IBM has performed Linux integration testing with select IBM POS hardware and IBM middleware to help ensure smooth integration and operation. Plus, the IBM Retail Environment for SuSE Linux is scalable, giving you the flexibility to enable Linux solutions ranging from text-based diskless clients to full graphic Java™-based solutions.

Leveraging Linux flexibility to extend functionality

The SuSE Linux retail distribution helps enable leading-edge Linux POS and Web-based applications, as well as provides Linux centralized systems management and remote boot capabilities. To help limit downtime, it can be configured with dual controllers to run high-availability solutions. It also delivers flexibility to support the open standards that are pervasive throughout the retail industry, facilitating future integration. This means you can leverage best-of-breed third-party offerings, including Ready for IBM Retail Store Innovations solutions developed and pretested by independent hardware and software vendors for use with IBM POS technologies.¹



IBM provides Linux solutions for all three tiers of retailing



IBM Retail Environment for SuSE Linux at a glance

<i>Hardware supported</i>	
Servers	<ul style="list-style-type: none">• Select IBM @server® xSeries® servers (with 1–2 processors) certified for SuSE Linux Enterprise server (SLES x86)
CPU	<ul style="list-style-type: none">• Minimum: Intel® Pentium® 300 MHz
POS Client	<ul style="list-style-type: none">• Select IBM POS systems, including: IBM SurePOS™ 700 Series, SurePOS 500 Series, SurePOS 300 Series, SurePOS 4694 POS system² and IBM Kiosk³
Memory	<ul style="list-style-type: none">• Minimum: 64 MB (dependent on application)
<i>Software supported</i>	
SuSE Linux platform	<ul style="list-style-type: none">• Ordered from IBM; SuSE delivers the industry-standard Linux distribution
Java™ support	<ul style="list-style-type: none">• IBM SDK 1.3.1 and 1.4.1
Drivers supported	<ul style="list-style-type: none">• JavaPOS 1.7.1 (or later) and POSS/LIN 1.2.0⁴
Management tools	<ul style="list-style-type: none">• SLES system management utilities including centralized POS client management with offering's enterprise administrative server
Language support	<ul style="list-style-type: none">• Multiple languages provided with SuSE Linux distribution
Middleware support	<ul style="list-style-type: none">• Select IBM middleware supported on SuSE's SLES-based offerings
Applications supported	<ul style="list-style-type: none">• Multiple IBM Business Partner software solutions¹
<i>Additional features</i>	
	<ul style="list-style-type: none">• Four optimized POS client installations• Carrier grade high availability• Remote boot capability for Linux-based diskless POS clients• Remote maintenance for standalone POS solution environment• Dual display• Support for USB devices
<i>Support and maintenance</i>	
Software maintenance	<ul style="list-style-type: none">• One year (renewed annually)
Support life	<ul style="list-style-type: none">• Up to five years (for specific release)
Technical support ⁵	<ul style="list-style-type: none">• 24x7 phone support
Open source code	<ul style="list-style-type: none">• GPL license code provided by SuSE with SuSE Linux platform
<i>Industry standards</i>	
Systems management	<ul style="list-style-type: none">• DHCP/PXE
Power management	<ul style="list-style-type: none">• Advanced Power Management (APM)
Retail standards	<ul style="list-style-type: none">• JavaPOS/UPOS

Featuring Linux: the move to retail on demand

Linux is an important part of IBM's strategy for retail in the on demand world—where retailers can be competitive and responsive in an ever-changing business environment. Not only have we Linux-enabled select IBM **@server** xSeries hardware, IBM middleware and POS hardware, but the IBM Global Services team consistently leverages Linux to provide customers with mission-critical services—from hosting Web sites for the world's leading sports organizations to powering e-commerce portals for multibillion-dollar manufacturers.

Relying on IBM expertise in retail

Taking advantage of the IBM Retail Environment for SuSE Linux enables you to tap into our comprehensive retail industry and operating systems knowledge. We have forged a proven track record through 30 years of global experience—and nearly two million POS terminal installations worldwide—in the retail sector. You can be confident in our ability to bring our retail skills and experience to your Linux environment.

For more information

To learn more about the IBM Retail Environment for SuSE Linux and other IBM Linux solutions, please contact your local IBM representative, call IBM Direct at 1 800 IBM-CALL (1 800 426-2255), or visit:

ibm.com/industries/retail/store



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2 Please refer to ibm.com/industries/retail/store for reference to select model-types supported.

3 Select integrated peripherals/devices are supported on the IBM Kiosk.

4 Future releases available as market demands.

5 Technology support is geography dependant.