

识别操作系统

内容

本文介绍如何识别 SUSE 产品，以及 SUSE Linux Enterprise 最新版本带来的变化。

原因

您可以参考本文检查系统配置和脚本，使其与新值匹配。

工作量

读完本文大约需要 5 分钟。

目标

您将了解用于识别 SUSE 产品的新值和新属性。

要求

- 已安装 SUSE Linux Enterprise 系列的产品。

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1 为何要识别操作系统？

作为软件开发人员和系统管理员，您通常需要管理同一产品的多个版本，甚至多种不同产品。针对每个版本或产品的操作可能需要不同的配置，因此，便捷地识别系统至关重要。

正确识别系统有助于您实现自动化操作、确保兼容性、进行查错等。

2 `/etc/os-release` 文件内容

如要识别操作系统，可使用基于文本的文件 `/etc/os-release`。该文件包含产品的关键属性，如名称和版本。查看并解读其内容，有助于您实现自动化操作、确保兼容性、进行查错等。



注意：SUSE Linux Enterprise 16.0 与 SUSE Linux Micro 6.2 的文件内容不同

在 SUSE Linux Enterprise 16.0 和 SUSE Linux Micro 6.2 中，`/etc/os-release` 文件的内容已更改为下文各章节所述的值。不过，这些值与之前的版本保持兼容。

`/etc/os-release` 文件包含两类属性：通用属性和产品特定属性。下文将分别对这两类属性进行说明。

2.1 通用属性

所有 SUSE Linux Enterprise 产品的通用属性值均相同。

表 1：通用属性

属性	含义	值
<code>NAME</code>	发行套件全称	SLES
<code>PRETTY_NAME</code>	显示给用户的美化名称	SUSE Linux Enterprise Server 16.0

属性	含义	值
<u>VERSION</u>	完整版本号	16.0
<u>VERSION_ID</u>	版本编号（建议用于识别操作系统的属性）	16.0
<u>ID</u>	发行套件简称（建议用于识别操作系统的属性）	sles
<u>ID_LIKE</u>	类似发行套件列表	suse opensuse
<u>CPE_NAME</u>	通用平台枚举	cpe:/o:suse:sles:16:16.0

2.2 产品特定属性

不同 SUSE 产品的产品特定属性各不相同。文件 `/etc/os-release` 包含以下产品特定属性：

表 2：产品特定属性


属性	含义	SUSE Linux Enterprise Server 对应的值	SLES for SAP 对应的值	SUSE Linux Micro 对应的值
<u>VARIANT</u>	产品的具体类型（新增属性）	Enterprise Server	Enterprise Server for SAP Applications	Micro
<u>VARIANT_ID</u>	可用于在脚本中识别特定产品的简短机器可读名称（新增属性）	server	server-sap	transactional
<u>SUSE_SUPPORT_PRODUCT</u>	SUSE 官方产品名称（新增属性）	SUSE Linux Enterprise Server	SUSE Linux Enterprise Server for SAP Applications	SUSE Linux Micro

属性	含义	SUSE Linux Enterprise Server 对应的值	SLES for SAP 对应的值	SUSE Linux Micro 对应的值
<code>SUSE_SUPPORT_PRODUCT_VERSION</code>	SUSE 官方产品版本（新增属性）	16.0	16.0	6.2

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