

# 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

属性	含义	值
<u>PRETTY_NAME</u>	显示给用户的美化名称	SUSE Linux Enterprise Server 16.0
<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

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>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
<u>SUSE_SUPPORT_PRODUCT_VERSION</u>	SUSE 官方产品版本 (新增属性)	16.0	16.0	6.2

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