NAME

ddi_prop_exists – check for the existence of a property

SYNOPSIS

```
#include <sys/ddi.h>
#include <sys/sunddi.h>

int ddi_prop_exists(dev_t match_dev, dev_info_t *dip, u_int flags, char *name);
```

INTERFACE LEVEL

Solaris DDI specific (Solaris DDI).

ARGUMENTS

match_dev Device number associated with property or **DDI_DEV_T_ANY.**

dip Pointer to the device info node of device whose property list should be searched.

flags Possible flag values are some combination of:

DDI_PROP_DONTPASS
Do not pass request to parent device information node if the property is not found.

DDI_PROP_NOTPROM
Do not look at PROM properties (ignored on platforms that do not support PROM properties).

name String containing the name of the property.

DESCRIPTION

ddi_prop_exists( ) checks for the existence of a property regardless of the property value data type.

Properties are searched for based on the *dip*, *name*, and *match_dev*. The property search order is as follows:

1. Search software properties created by the driver.
2. Search the software properties created by the system (or nexus nodes in the device info tree).
3. Search the driver global properties list.
4. If **DDI_PROP_NOTPROM** is not set, search the PROM properties (if they exist).
5. If **DDI_PROP_DONTPASS** is not set, pass this request to the parent device information node.
6. Return **0** if not found and **1** if found.

Usually, the *match_dev* argument should be set to the actual device number that this property is associated with. However, if the *match_dev* argument is **DDI_DEV_T_ANY,** then **ddi_prop_exists( )** will match the request regardless of the *match_dev* the property was created with. That is the first property whose name matches *name* will be returned. If a property was created with *match_dev* set to **DDI_DEV_T_NONE** then the only way to look up this property is with a *match_dev* set to **DDI_DEV_T_ANY.** PROM properties are always created with *match_dev* set to **DDI_DEV_T_NONE.**

name must always be set to the name of the property being looked up.

RETURN VALUES

ddi_prop_exists( ) returns **1** if the property exists and **0** otherwise.

CONTEXT

These functions can be called from user or kernel context.

EXAMPLES

The following example demonstrates the use of **ddi_prop_exists( )**.

```
/*
 * Enable "whizzy" mode if the "whizzy-mode" property exists
 */
if (ddi_prop_exists(xx_dev, xx_dip, DDI_PROP_NOTPROM,
                "whizzy-mode") == 1) {
        xx_enable_whizzy_mode(xx_dip);
} else {
        xx_disable_whizzy_mode(xx_dip);
}
```

SEE ALSO

ddi_prop_get_int(9F), **ddi_prop_lookup**(9F), **ddi_prop_remove**(9F), **ddi_prop_update**(9F)

Writing Device Drivers