



WANDL — Third-Party Interface

This chapter describes how to use the Third-Party Interface (TPI) Conversion Plug-in, and contains the following sections:

- [Translating Between NMT and WANDL Formats](#)
 - Converting NMT Configuration Files into WANDL Files
 - Converting WANDL Files into NMT .cnf Files

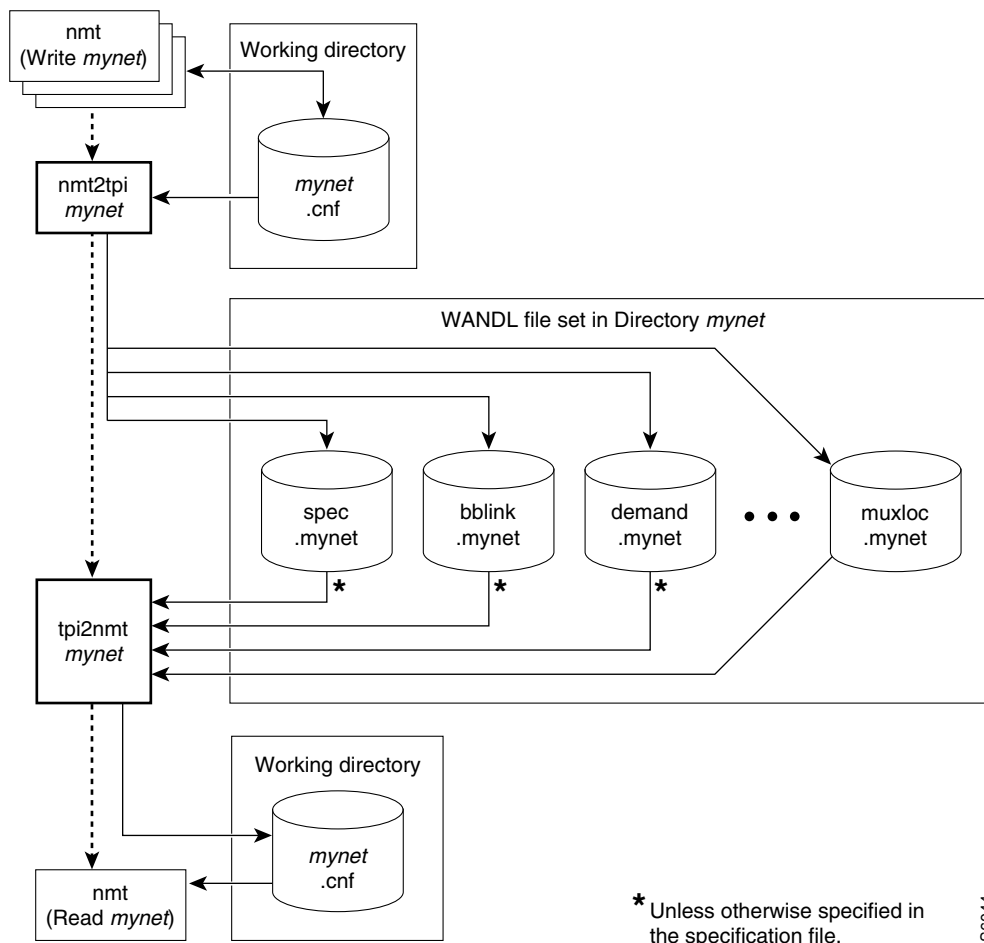
TPI translates NMT .cnf files to and from WANDL files. [Figure 10-1](#) [Figure 10-1](#) provides a high-level illustration of this process. If the design begins in NMT, all parameter values are preserved during the return from the WANDL design. If the design begins in WANDL, the **tpi2nmt** command assumes defaults and NMT catches unsupported settings.

The WANDL design tool **bbdsgrn** can further optimize the network transmission requirements and costs. For more information on WANDL design tools, contact customer service or visit the WANDL website at the following URL: <http://www.wandl.com/html/index.cfm>

Translating Between NMT and WANDL Formats

This section describes how to translate between NMT and WANDL network design formats on your Sun workstation. The NMT WANDL file translation can be done in NMT or from the UNIX Command Line Interface (CLI).

Figure 10-1 TPI Schematic Overview



* Unless otherwise specified in the specification file.

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Converting NMT Configuration Files into WANDL Files

Use the **Import** and **Export** selections in the **File** menu to read and write WANDL files. To write to a sub-directory, specify the subdirectory and a plan name. To read a file, select that file's plan name.



Note

To read and write WANDL files in the UNIX CLI, use the `nmt2tpi` and `tpi2nmt` commands.

Use the following procedure to convert NMT configuration (.cnf) files into files that can be read by WANDL software using the UNIX command line interface.

Step 1 Start the NMT and verify that you have a readable configuration file.

Step 2 Run the TPI command that creates a directory that holds a set of WANDL network design files and specify the extension for these files:

```
nmt2tpi infile [-NT] [-NIM] [-id input_dir] -il loc_filename [-of
WANDL_ext_name] [-D] [-H]
```

- `-id input_dir` —Specify a different directory than the current directory as the source of the .cnf file.
- `-il loc_filename`—Specify a specific filename for an .loc file.
- `-of WANDL_ext_name`—Specify a specific WANDL file extension plan name.\
- `-od WANDL.dir.name`—Specify the sub directory for the WANDL files extension plan name.
- `infile` is the name of any .cnf file in the current directory. This name is used as the name of the destination directory for the files extracted from the .cnf file. These files are readable by the WANDL `bbdsn` program.
- `-NT`—The program should not preserve the NMT parameters.
- `-NIM`—The program should not display informational messages, only warnings, error, and those messages that may require user action.
- `-D`—Display steps and debugging information.
- `-over`—Overwrites existing output
- `-distd`—Use the link distance as the WANDL Distance (default in cost).
- `-distm`—Use the link distance as the WANDL Distance (default in monthly cost).
- `-disti`—Use the link distance as the WANDL Distance (default in install cost).
- `-H`—Display help.

Step 3 You can start the WANDL design session with the `nmt2tpi` output files by using the following commands:

```
cd dir_name
```

```
bbdsn spec.extension
```

`dir_name` is the name of the .cnf file specified in the previous step.

`spec.extension` is the WANDL specification file, specifying a set of files to be run together.

Converting WANDL Files into NMT .cnf Files

This procedure is for the conversion of WANDL files into files that can be read by the NMT. This procedure processes files specified in the WANDL specification file.

Step 1 Return to the parent directory.

```
cd ..
```

Step 2 Convert the WANDL files into an NMT .cnf format by entering

```
tpi2nmt WANDL_directory [-BPXT3 card] [-NA] [-NIM] [-od output_directory]
[-if cnf] [-of cnf] [-D] [-H]
```

- *WANDL_directory*— The name of the directory containing the WANDL data files (as well as the extension used by the WANDL data files, typically the network name). This name is assigned to the output .cnf file and .loc file. The .loc file has system coordinates. For more information on .loc files, see the section “[-H—Display help.](#)” later in this chapter.
 - NOUXM - New links will not use the uxm card
 - -NIM—The program should not display informational messages, only warnings, errors, and those messages that may require user action.
 - -id *output_directory*—Specify a directory different from the default as the destination of the .cnf file.
 - -if *cnf*—Specify a specific WANDL file extension name for input.
 - -of *cnf*—Specify a specific name for the .cnf output.
 - -ol *loc*—Specify a specific name for the .loc output file.
 - -over—Overwrites output files.
 - -distd—Use the link distance as the WANDL Distance (default in cost).
 - -distm—Use the link distance as the WANDL Distance (default in monthly cost).
 - -disti—Use the link distance as the WANDL Distance (default in install cost).
 - -D—Display steps and debugging information.
 - -H—Display help.
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