

TechNote Export NodeNames

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Export NodeNames

The *Export NodeNames* command has been added at version 7.6.3.20.

This command is useful for creating script files where you need to do something with individual nodes. For example, you may want to populate the circuit with a bunch of SLG faults for a monte carlo fault study run (Solve mode=MF) for voltage sag analysis.

This command mimics the *DSSCircuit.AllNodeNames* property in the COM interface.

Example

Assume Export Nodenames yields: (from IEEE 8500 Node test feeder)

```
m1009763.2
m1009763.1
m1009763.3
l2673322.2
m1069148.3
l2673309.3
m1069588.2
l2804270.2
m3036164.2
l2935553.2
m1209749.2
l2748840.2
m1108264.2
m1108263.2
l3085398.1
l3085398.2
l3085398.3
m1026891.1
m1026891.2
```

Then you can manipulate the file with a text editor to quickly create a script placing 1-phase faults at the selected nodes:

```
New Fault.m1009763 Phases=1 Bus1=m1009763.2
New Fault.m1009763 Phases=1 Bus1=m1009763.1
New Fault.m1009763 Phases=1 Bus1=m1009763.3
New Fault.l2673322 Phases=1 Bus1=l2673322.2
New Fault.m1069148 Phases=1 Bus1=m1069148.3
New Fault.l2673309 Phases=1 Bus1=l2673309.3
New Fault.m1069588 Phases=1 Bus1=m1069588.2
New Fault.l2804270 Phases=1 Bus1=l2804270.2
```

```
New Fault.m3036164 Phases=1 Bus1=m3036164.2
New Fault.12935553 Phases=1 Bus1=12935553.2
New Fault.m1209749 Phases=1 Bus1=m1209749.2
New Fault.12748840 Phases=1 Bus1=12748840.2
New Fault.m1108264 Phases=1 Bus1=m1108264.2
New Fault.m1108263 Phases=1 Bus1=m1108263.2
New Fault.13085398 Phases=1 Bus1=13085398.1
New Fault.13085398 Phases=1 Bus1=13085398.2
New Fault.13085398 Phases=1 Bus1=13085398.3
New Fault.m1026891 Phases=1 Bus1=m1026891.1
New Fault.m1026891 Phases=1 Bus1=m1026891.2
```

Node Names

You can get all bus names from *Show Buses* or *Export Buscoords* commands and parsing off the first column.

--Rdugan 14:20, 17 August 2013 (UTC)

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