Configure-osg

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Introduction

- Script used to configure OSG CE installations

- Supports configuration of all CE components

- Allows verification of configuration before configuring system

- Uses `$VDT_LOCATION/osg/etc/config.ini` as configuration file

INI File format

- Similar to windows ini file format

- Divided into sections which start with a `[Section Name]` heading

- Options are set using a `name = value` syntax

- Variables can be used

Variables in INI files

- Variables are referenced as `%(variable_name)s` syntax (note the trailing 's' is needed)

- Any option in a section can be used as a variable in the same section (the value of that option will be substituted for the variable reference)

- Any option in a special section labeled `[DEFAULT]` can be used as a variable anywhere in the ini file

Using configure-osg

- Two runtime modes
  - Verification mode which is set by passing –v to configure-osg
    - Allows config.ini settings to be checked to make sure values are consistent
    - Any errors will be printed to console
    - Won't catch errors or problems that will appear when running configuration scripts
  - Configuration mode which is set by using –c option
    - Checks config.ini settings (like verification mode) and then runs configuration scripts / enables services
    - Verification errors can be overwritten using –force option

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Troubleshooting

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- If something goes wrong
  - Check any output to the screen, errors should be displayed and the problem will be indicated
  - If this doesn't work, use –d option to output debugging information to vdt-install.log and check this
  - If you're still stuck, check with someone on osg-int, campfire, or open a goc ticket

Future directions

- Support for configuring other components

- Integration with VDT configuration?

- More comprehensive configuration (e.g. become a one-stop place for configuration)?