

WRFPLUS

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2009

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```
!WRF:DRIVER_LAYER:MAIN
!
```

```
PROGRAM wrf,47
```

```
USE module wrf_esmf super
USE module linked_list, only : linkedlist_initialize
USE module trace, only : trace_entry, trace_exit, trace_init, t
```

```
!<DESCRIPTION>
! Main program of WRF model. Responsible for starting up the model
! broadcasting for distributed memory) configuration data, defining
! the top-level domain, either from initial or restart data, settin
! then calling the <a href=integrate.html>integrate</a> routine to
! to the ending time of the simulation. After the integration is cor
! is properly shut down.
!
!</DESCRIPTION>
```

```
IMPLICIT NONE
```

```
TYPE(ESMF_GridComp) :: gcomp
TYPE(ESMF_State) :: importState, exportState
TYPE(ESMF_Clock) :: clock
TYPE(ESMF_VM) :: vm
INTEGER :: rc
```

```
LOGICAL, EXTERNAL :: await_next
INTEGER comm
```

```
! This call includes everything that must be done before ESMF_In
! is called.
```

```
#ifdef DM_PARALLEL
```

```
! disable splitting for WRFVAR which splits the communicator its own
```

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