

```
/*
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** unlimited (27 August 2015).
*/

/*
** JTNC Standard:
** Software Communications Architecture
** Appendix C: Core Framework Interface Description Language (IDL)
** Version: 4.1, 20 August 2015
*/

//Source file: CFControllableInterface.idl

#ifdef __CFCONTROLLABLEINTERFACE_DEFINED
#define __CFCONTROLLABLEINTERFACE_DEFINED

#include "CFCommonTypes.idl"

module CF {

    /* This interface provides a common API for the
       control of a software component. */
    interface ControllableInterface {

        /* This exception indicates that an error occurred during an attempt
           to start the component. The message provides additional information
           describing the reason for the error. */
        exception StartError {
            CF::ErrorNumberType errorNumber;
            string msg;
        };

        /* This exception indicates that an error occurred during
           an attempt to stop the component. The message provides additional
           information describing the reason for the error. */
        exception StopError {
            CF::ErrorNumberType errorNumber;
            string msg;
        };

        /* This attribute specifies whether the component is started. */
        readonly attribute boolean started;

        /* This operation is provided to command a component implementing
           this interface to start internal processing. */
        void start ()
            raises (CF::ControllableInterface::StartError);

        /* This operation is provided to command a component implementing
           this interface to stop all internal processing. */
        void stop ()
            raises (CF::ControllableInterface::StopError);
    };
};
#endif
```