

```
/*
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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: CFLifeCycle.idl

#ifndef __CFLIFECYCLE_DEFINED
#define __CFLIFECYCLE_DEFINED

#include "CFCommonTypes.idl"

module CF {

    /* This interface defines the generic operations for initializing
       or releasing instantiated component-specific data and/or processing
       elements. */
    interface LifeCycle {

        /* This exception indicates an error occurred during component
           initialization. The messages provide additional information
           describing the reason why the error occurred. */
        exception InitializeError {
            CF::StringSequence errorMessages;
        };

        /* This exception indicates an error occurred during component
           releaseObject. The messages provide additional information
           describing the reason why the error occurred. */
        exception ReleaseError {
            CF::StringSequence errorMessages;
        };

        /* The purpose of this operation is to provide a mechanism
           to set an object to an known initial state. */
        void initialize ()
            raises (CF::LifeCycle::InitializeError);

        /* The purpose of this operation is to provide a means
           by which an instantiated component may be torn down. */
        void releaseObject ()
            raises (CF::LifeCycle::ReleaseError);
    };
};
#endif
```