

```
/*
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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: CFComponentFactory.idl

#ifndef __CFCOMPONENTFACTORY_DEFINED
#define __CFCOMPONENTFACTORY_DEFINED

#include "CFProperties.idl"
#include "CFLifeCycle.idl"

module CF {

    /* A ComponentFactory can be used to create or destroy a Component. */
    interface ComponentFactory : LifeCycle
    {

        /* This exception indicates that the
        createComponent operation failed to create the Component. The
        message is component-dependent, providing additional information
        describing the reason for the error. */
        exception CreateComponentFailure {
            CF::ErrorNumberType errorNumber;
            string msg;
        };

        /* This operation provides the capability to create
        Components. */
        CF::ComponentType createComponent (
            in string componentId,
            in CF::Properties qualifiers
        )
            raises (CF::ComponentFactory::CreateComponentFailure);
    };
};
#endif
```