

```
/*
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**
** Distribution Statement A - Approved for public release; distribution is
** 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: CFPropertySet.idl

#ifdef __CFPROPERTYSET_DEFINED
#define __CFPROPERTYSET_DEFINED

#include "CFProperties.idl"

module CF {

    /* This interface defines configure and query operations
       to access component properties/attributes. */
    interface PropertySet {

        /* This exception indicates the configuration of a component
           has failed (no configuration at all was done). The message
           provides additional information describing the reason why
           the error occurred. The invalid properties returned indicates
           the properties that were invalid. */
        exception InvalidConfiguration {
            string msg;
            CF::Properties invalidProperties;
        };

        /* This exception indicates the configuration
           of a Component was partially successful. The invalid properties
           returned indicates the properties that were invalid. */
        exception PartialConfiguration {
            CF::Properties invalidProperties;
        };

        /* The purpose of this operation is to allow id/value pair
           configuration properties to be assigned to components
           implementing this interface. */
        void configure (
            in CF::Properties configProperties
        )
        raises (CF::PropertySet::InvalidConfiguration,
            CF::PropertySet::PartialConfiguration);

        /* The purpose of this operation is to allow a component
           to be queried to retrieve its properties. */
        void query (
            inout CF::Properties configProperties
        )
        raises (CF::UnknownProperties);
    };
};
```

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```
#endif
```