

```
/*
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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: CFAggregateDevice.idl

#ifndef __CFAGGREGATEDEVICE_DEFINED
#define __CFAGGREGATEDEVICE_DEFINED

#include "CFCommonTypes.idl"

module CF {

    /* This interface provides aggregate behavior that can
       be used to add and remove devices from a parent device. This interface
       can be provided via inheritance or as a "provides port".
       Child devices use this interface to add or remove themselves from
       parent device when being created or torn-down. */
    interface AggregateDevice {

        /* This readonly attribute contains a list of devices that
           have been added to this device or a sequence length of zero
           if the device has no aggregation relationships with other devices. */
        readonly attribute CF::ObjectSequence devices;

        /* This operation provides the mechanism to associate
           a device with another device. */
        void addDevice (
            in Object associatedDevice,
            in string identifier
        )
            raises (CF::InvalidObjectReference);

        /* This operation provides the mechanism to disassociate
           a device from another device. */
        void removeDevice (
            in string identifier
        )
            raises (CF::InvalidObjectReference);
    };
};
#endif
```