

```
/*
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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: CFPlatformTypes.idl
#ifndef __CFPLATFORMTYPES_DEFINED
#define __CFPLATFORMTYPES_DEFINED

#include "CFCommonTypes.idl"

module CF {
    /* This structure associates a component with the device
       upon which the component is executing. */
    struct DeviceAssignmentType {
        string componentId;
        string assignedDeviceId;
    };

    /* The sequence provides an unbounded sequence of 0..n of
       DeviceAssignmentType. */
    typedef sequence <DeviceAssignmentType> DeviceAssignmentSequence;

    /* This exception indicates an invalid component profile error. */
    exception InvalidProfile {
    };

    /* This sequence defines a sequence of ComponentType structures */
    typedef sequence <CF::ComponentType> Components;

    /* This exception indicates that the device is not capable of
       the behavior being attempted due to the state the device is in.
       An example of such behavior is allocateCapacity. */
    exception InvalidState {
        string msg;
    };
};
#endif
```