

1 **OCF “Dubai” – A few inconsistencies and errata in OCF 2.0 Security Specification – Security**
2 **WG CR 2708**

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28 ***** Paste the Change Request content here *****

29

30 **The whole Security Specification**

31 DOXS

32 [Result of SecWG F2F (Jan 14, 2019)] DOTS

33 (note: EXCEPT Resource names)

34 [Result of SecWG F2F (Jan 14, 2019)] Agreed

35

36 **7.3.1 OTM implementation requirements**

37 The DOTS shall query the Device's supported credential types using the credtypeProperty of the

38 /oic/sec/cred Resource.

39 [Oleks] All Resource names must be in double quotes.

40

41 [Result of SecWG F2F (Jan 14, 2019)] Agreed including Oleks' comments

42

43

44 **7.4.1.1 Client-directed Provisioning**



45

46

Figure 1 - Example of Client-directed provisioning

47 [Result of SecWG F2F (Jan 14, 2019)] Agreed

48

49 **8 Device Onboarding State Definitions**

50 As shown in the diagram, at the conclusion of the provisioning step, the Device comes in the "Ready

51 for Normal Operation" state where it has all it needs in order to start interoperating with other Devices.

52 Section 8.4 specifies the minimum mandatory configuration that a Device shall hold in order to be

53 considered as "Ready for Normal Operation".

54 [Result of SecWG F2F (Jan 14, 2019)] Agreed

55

56 **8.1 Device Onboarding-Reset State Definition**

57 5) The deviceid Property of the /oic/sec/doxm Resource shall be reset to the manufacturer's
58 default value, if this Property is implemented.

59 [Result of SecWG F2F (Jan 14, 2019)] deviceuuid

60 [Result of SecWG F2F (Jan 14, 2019)] Agreed

61

62 **8.2 Device Ready-for-OTM State Definition**

63 4) The deviceid Property of the /oic/sec/doxm Resource may be nil UUID, if this Property is
64 implemented. The value of the di Property in /oic/d is undefined.

65 [Result of SecWG F2F (Jan 14, 2019)] deviceuuid

66 [Result of SecWG F2F (Jan 14, 2019)] Agreed

67

68 **8.5 Device Soft Reset State Definition**

69 5) The deviceid Property of the /oic/sec/doxm Resource shall remain non-null.

70 [Result of SecWG F2F (Jan 14, 2019)] deviceuuid

71 [Result of SecWG F2F (Jan 14, 2019)] Agreed

72

73

74

75 **13.1 Device Owner Transfer Resource**

Property Title	Property Name	Value Type	Value Rule	Mandatory	Device State	Access Mode	Description
Device ID	uuid	String	uuid	Yes	RW	-	A uuid value

76 **Table 1 - Properties of the oic.sec.didtype type**

77 ...

78 [Result of SecWG F2F (Jan 14, 2019)] Agreed

79

80 [142p]

81 Regardless of whether the device has a persistent or semi-persistent deviceuuid Property of the
82 /oic/sec/doxm Resource, a temporary random UUID is exposed by the Server via the deviceuuid
83 Property of the /oic/sec/doxm Resource each time the device enters RESET Device state. The
84 temporary deviceuuid value is used while the device state is in the RESET state and while in the
85 RFOTM device state until the DOXS establishes a secure OTM connection. The DOXS should
86 RETRIEVE the updated deviceuuid Property value of the /oic/sec/doxm Resource after it has updated
87 devowneruuid Property value of the /oic/sec/doxm Resource to a non-nil-UUID value.

88 ...

89 [Result of SecWG F2F (Jan 14, 2019)] Agreed

90

91 [145p]

Table 2 – Properties of the oic.sec.doxmtype type

93 [Result of SecWG F2F (Jan 14, 2019)] Agreed

94

13.2 Credential Resource

96 ...

97 [153p]

Table 3 – Properties of the oic.sec.roletype type

99 [Result of SecWG F2F (Jan 14, 2019)] Agreed

100

101

102 [155p]

SKDC	oic.sec.crm.skdc	[1, 2, 4, 32]	The Server issues a request to obtain a ticket for the Device. The Server updates the credential using the information contained in the response to the ticket request. The Server uses its /oic/sec/cred.rowneruuid Resource to identify the key management service that supports this credential refresh method. The Server uses its /oic/sec/cred.rowneruuid Resource to identify a key management service that supports this credential refresh method.
PKCS10	oic.sec.crm.pk10	[8]	The Server issues a PKCS#10 certificate request message to obtain a new certificate. The Server uses its /oic/sec/cred.rowneruuid Resource to identify the key management service that supports this credential refresh method. The Server uses its /oic/sec/cred.rowneruuid Resource to identify a key management service that supports this credential refresh method.

Table 4 – Value Definition of the oic.sec.crmtype PropertyType

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104

...

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[Result of SecWG F2F (Jan 14, 2019)] Agreed

106

107

13.4.2 ACL Resource

108

[165p]

Table 5 – Properties of the oic.r.ace Resource

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111

[Result of SecWG F2F (Jan 14, 2019)] Agreed

112

113

13.11 Account Session Resource

114

115

[Result of SecWG F2F (Jan 14, 2019)] Agreed

116