

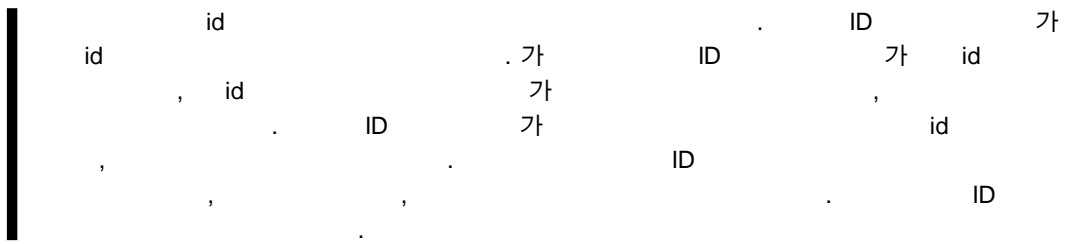
ID

Internet Identity Management Service

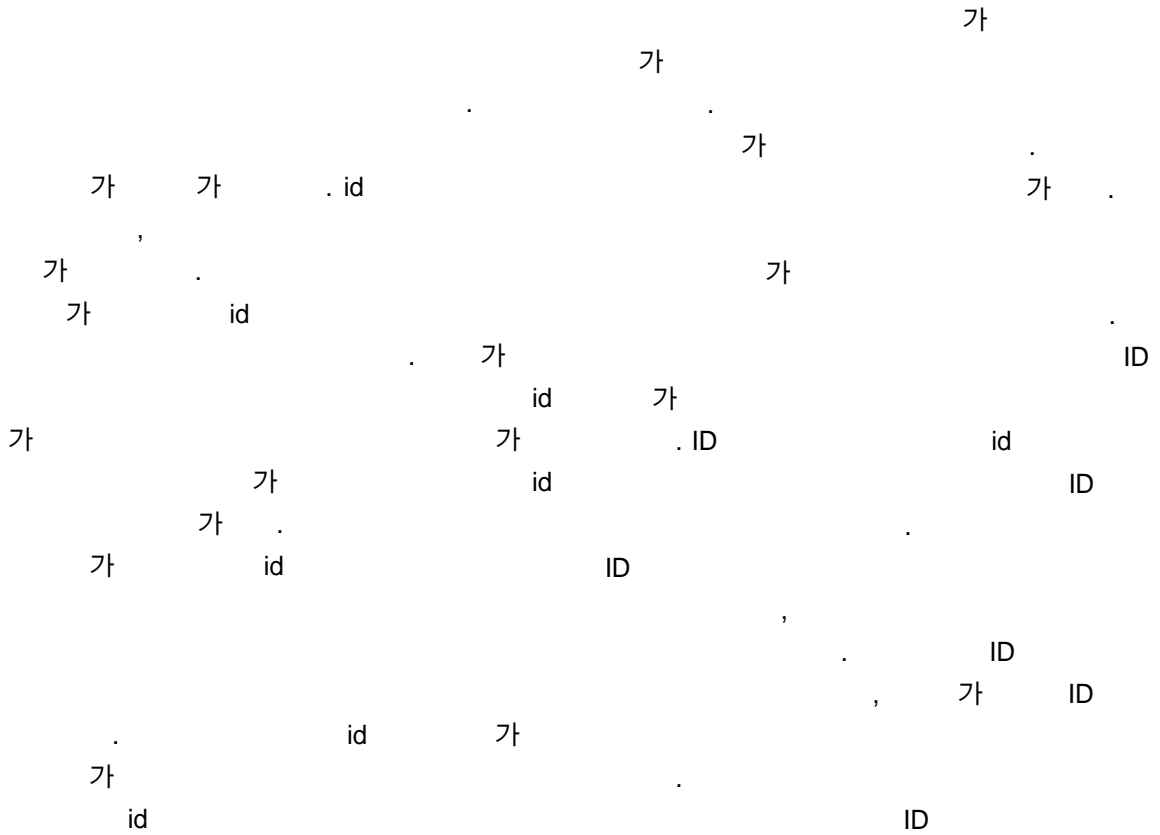
(D.S. Choi)

(S.H. Jin)

(K.I. Chung)



I.



ID
ID
ID
ID
ID
ID

[1].

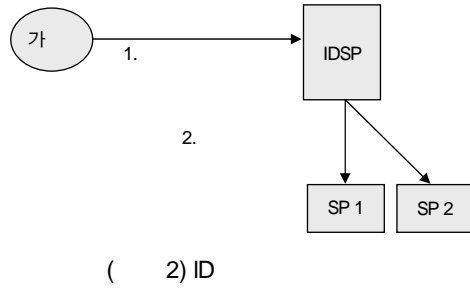
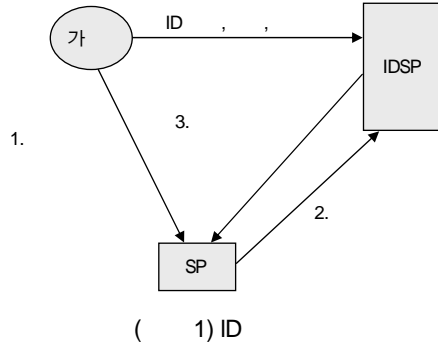
. II

. III

. IV

. V

. VI



II. ID

1.

ID ID
(ID Service Provider: IDSP)
가 id
id
(Service Provider: SP)
ID 가 IDSP 가

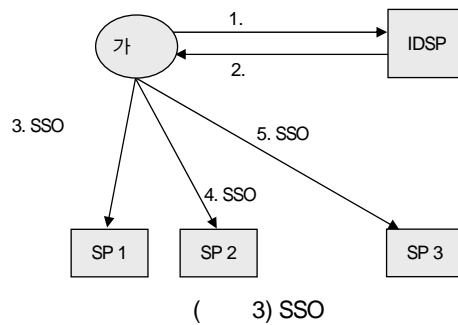
IDSP
SP가 ,가
가 IDSP ,
가 가
(2) IDSP
SP SP가 가

2.

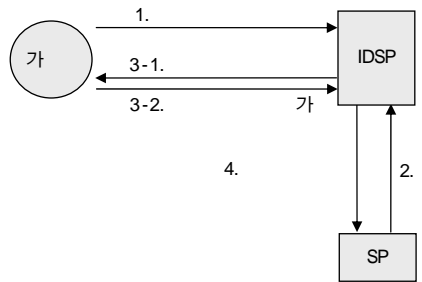
가. 가 ID
가 가 IDSP id 가
IDSP
, , . SP IDSP
()
가
. (1)
IDSP 가 가 가 SP
가 SP id
SP id IDSP id
SP

SSO

ID IDSP
SP 가
SSO(Single Sign On) . 가



SP id IDSP id 3.
 가. SSO
 id, . (3) SSO SSO
 .
 . SSO
 ID IDSP ID Federation
 가 IDSP SP SSO ID
 가 ID (federation) ID
 가 가 IDSP가
 id ID
 SSO ID 가
 . 가 가
 (1), SP가 가
 (2), IDSP 가
 가 가
 SP 가 (3). SP가
 가 가 , IDSP 가
 IDSP 가 (3-1) , 가
 가 가(3-2) SP
 (4) id IDSP
 id , 가 IDSP
 가 SP SSO ID



(4)

. Permission - Based Attribute Sharing

SP
 가
 가

가 , IDSP

가
가

III. ID

1.

[2] Microsoft

가
가

가
가

가 SP
SP
가 SP

Microsoft가

가

SP가
SMS,

가

SSO
가

가
가

4. Business Benefits

가

ID , IDSP, SP

가

ID

가

ID

가가

가

ID

IDSP

Microsoft
(Kerberos)

IDSP

[3]

가

가

IDSP

가

가

SP

IDSP

가

가

IDSP

2. Daum Sign

IDSP

ID

가

Daum

Daum

sign[4] Daum id / 가
 가 가 . / 가
 SSO . 2004 ID
 12 10 가 .
 가
 Daum 가 가. SAML 1.0
 , SAML , SOAP
 가 . SAML assertion
 SSO ,
 SAML 3가 assertion
 , , , 가

3. Client Side

IDSP ID . SAML 1.1
 ID PC SAML 1.0
 id 가 . 1.0 가
 id/pw 가 SSO
 SAML assertion 가
 , , , assertion
 , / . SAML 1.0
 [5], [6], [7]
 client side ID
 ID .
 , SP가 IDSP 가

IV.

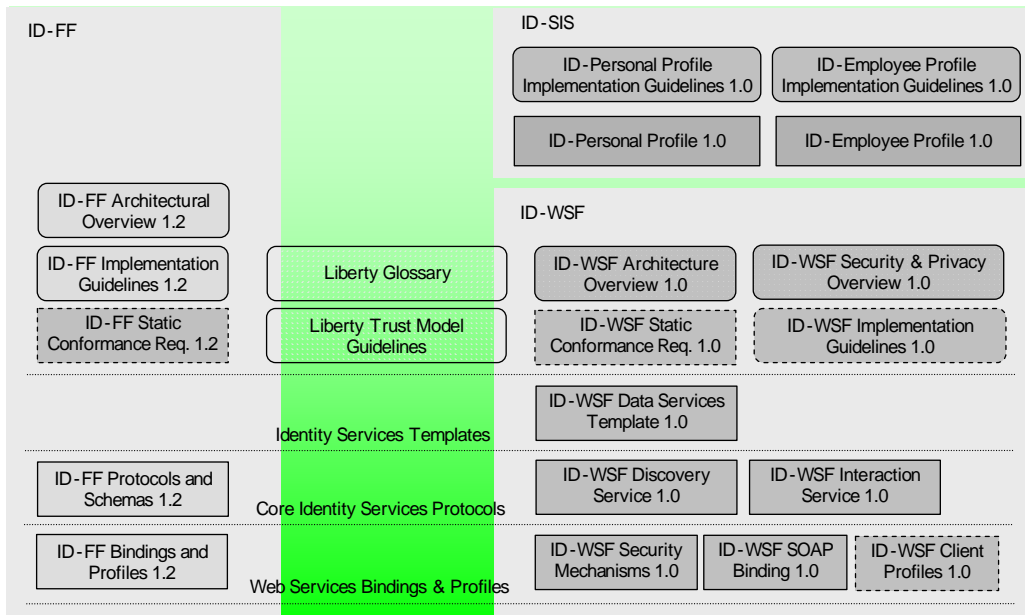
ID ID-FF id federation .

2.

1. OASIS SAML

[10] ID ID

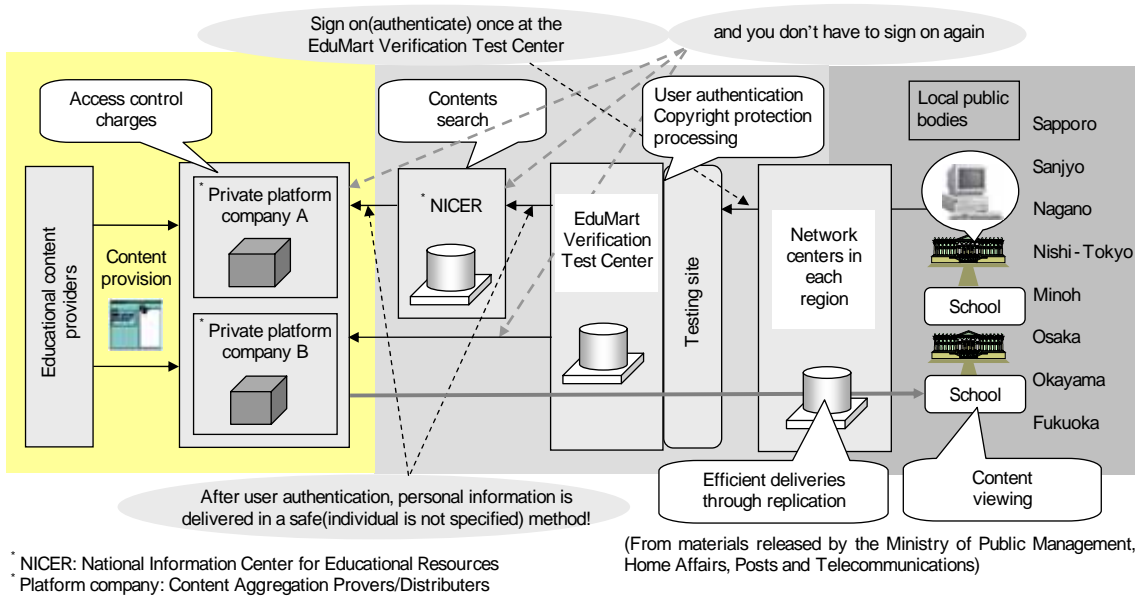
SAML(Security Assertion Markup Language)
 [8] XML OASIS[9] 2001 9



(5) Liberty Spec

ID
 (5) ID-FF, ID-WSF, ID-SIS
 가
 가. ID - FF
 ID-FF ID-WSF가
 id federation
 SSO 가 ID ID-SIS
 , ID ID ID-FF SAML ID-SIS ID
 1.0 SAML assertion ID ID-WSF
 ID ID-personal/employee
 ID-WSF
 ID 가
 가- 3. WS - *
 (permissions-based attribute WS - *[11]
 sharing), ID

가 . WS - Federation , PKI . WS - Security , WS - Policy , WS - Trust , WS - Secure Conversation , WS - Federation 가 . (SOAP) (quality of protection) SOAP , X.509 가 . WS - Security 1. EduMart 가 'e - Japan / / 가 가 가 SSO가 가 , 'e - Japan 'Edu - Mart(Education Market) [12]. ID - FF EduMart WS - Security , 가 , EduMart WS - Policy 가 . e - Learning 98 3500 WS - Policy SOAP , SOAP . (6) EduMart .



(6) EduMart

2. E - Authentication

E - Authentication[13]

E - Government

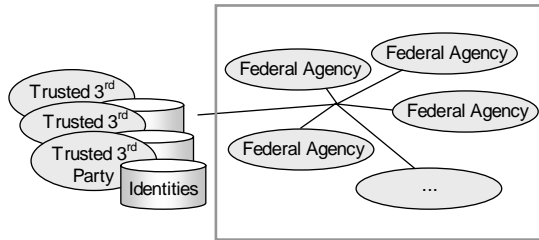
ID

E - Authentication

E - Authentication

, 24

ID



(7) E-Authentication

2003

(7) E - Authentication

3. AOL

AOL

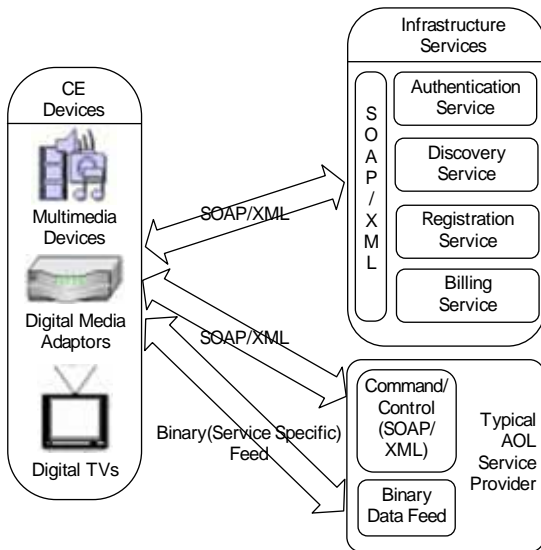
[14].

SAML 1.0 artifact

AOL . AOL
 ID-WSF
 AOL
 SOAP
 ID-
 WSF authentication
 discovery service

D-Link
 Radio@AOL가
 가 Nokia

9) Radio@AOL



(8) AOL



(9) Radio@AOL

VI.

1. PRIME

PRIME(PRIVacy & Identity Management for Europe)[15] EU
 2004 3 4

ID 가

(10) PRIME



(10) PRIME

2. e - identity

e-identity [16]

ETRI 2004 3 3

ID

IDSP,

SP

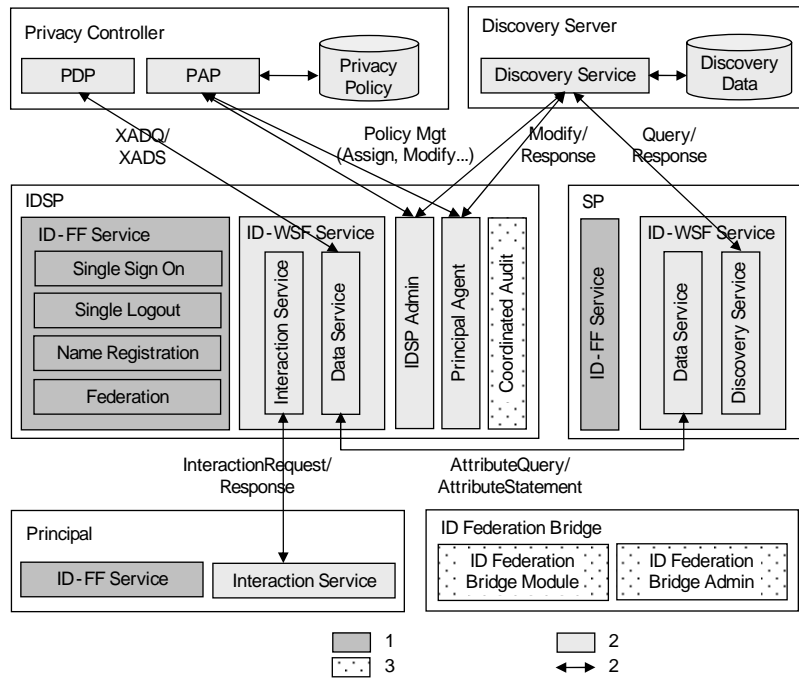
ID

version

1.0

SSO, ID

, ID



(11) ETRI ID

, ID
ID-FF 1.2

. (11) ETRI

ID
2005

version 2.0

ID
ID-WSF

가

ID
가

ID

ID

ID

가

ID
가 가

ETRI가

ID

ID

IDSP 가

. 2006

SSO,

ID federation bridge

version 1.0

VII.

ID

[1]

, , , “ , ”

, KISA, 2004.

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- [3] Kerberos, <http://web.mit.edu/kerberos/www>
- [4] Daumsign, <http://sign.daum.net>
- [5] , <http://www.barogood.com>
- [6] , <http://www.alpass.com>
- [7] , <http://www.seesafe.net>
- [8] Open SAML, <http://www.opensaml.org>
- [9] OASIS Web Services Security TC, http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=wss
- [10] Liberty, <http://www.projectliberty.org>
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