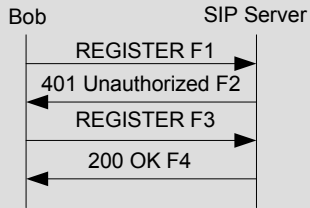


Successful New Registration



F2 401 Unauthorized SIP Server -> Bob

SIP/2.0 401 Unauthorized
Via: SIP/2.0/TLS client.**Biloxi**:5061
;branch=z9hG4bKnashds7
;received=192.0.2.201

From: Bob <sips:bob@**Biloxi**>
;tag=a73kszflf

To: Bob <sips:bob@**Biloxi**>
;tag=1410948204

Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**
CSeq: 1 REGISTER

WWW-Authenticate: Digest
realm="**Atlanta**", qop="auth",
nonce="ea9c8e88df84f1cec4341",
opaque="", stale=FALSE,
algorithm=MD5
Content-Length: 0

F3 REGISTER Bob -> SIP Server

REGISTER sips:ss2.**Biloxi** SIP/2.0
Via: SIP/2.0/TLS client.**Biloxi**:5061
;branch=z9hG4bKnashd92

Max-Forwards: 70
From: Bob <sips:bob@**Biloxi**>
;tag=ja743ks76zflfH

To: Bob <sips:bob@**Biloxi**>
;tag=a73kszflf

Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**
CSeq: 2 REGISTER

Contact: <sips:bob@client.**Biloxi**>
Authorization: Digest username="bob",
realm="**Atlanta**"
nonce="ea9c8e88df84f1cec4341",
opaque="", uri="sips:ss2.**Biloxi**",
response="dfe56131d1958046689"
Content-Length: 0

F1 REGISTER Bob -> SIP Server

REGISTER sips:ss2.**Biloxi** SIP/2.0
Via: SIP/2.0/TLS client.**Biloxi**:5061

;branch=z9hG4bKnashds7
Max-Forwards: 70
From: Bob <sips:bob@**Biloxi**>
;tag=a73kszflf

To: Bob <sips:bob@**Biloxi**>
Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**

CSeq: 1 REGISTER
Contact: <sips:bob@client.**Biloxi**>
Content-Length: 0

F4 200 OK SIP Server -> Bob

SIP/2.0 200 OK
Via: SIP/2.0/TLS client.**Biloxi**:5061
;branch=z9hG4bKnashd92

;received=192.0.2.201
From: Bob <sips:bob@**Biloxi**>
;tag=ja743ks76zflfH

To: Bob <sips:bob@**Biloxi**>
;tag=37GkEhw16

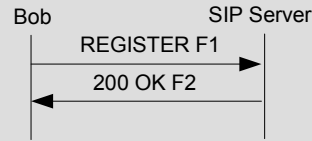
Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**
CSeq: 2 REGISTER

Contact: <sips:bob@client.**Biloxi**>
;expires=3600
Content-Length: 0

RFC 3665 SIP REGISTRATION EXAMPLES

Biloxi - biloxi.example.com
Atlanta - atlanta.example.com

Update of Contact List



F1 REGISTER Bob -> SIP Server

REGISTER sips:ss2.**Biloxi** SIP/2.0
Via: SIP/2.0/TLS client.**Biloxi**:5061

;branch=z9hG4bKnashds7
Max-Forwards: 70
From: Bob <sips:bob@**Biloxi**>
;tag=a73kszflf

To: Bob <sips:bob@**Biloxi**>
Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**

CSeq: 1 REGISTER
Contact: mailto:bob@**Biloxi**

Authorization: Digest username="bob",
realm="**Atlanta**", qop="auth",
nonce="1cec4341ae6cbe5a359ea9",
opaque="", uri="sips:ss2.**Biloxi**",
response="71ba27c64bd01de719686"
Content-Length: 0

F2 200 OK SIP Server -> Bob

SIP/2.0 200 OK
Via: SIP/2.0/TLS client.**Biloxi**:5061

;branch=z9hG4bKnashds7
;received=192.0.2.201
From: Bob <sips:bob@**Biloxi**>
;tag=a73kszflf

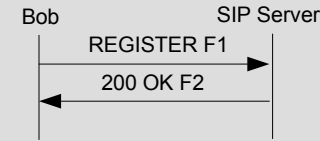
To: Bob <sips:bob@**Biloxi**>
;tag=34095828jh

Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**
CSeq: 1 REGISTER

Contact: <sips:bob@client.**Biloxi**>
;expires=3600

Contact: <mailto:bob@**Biloxi**>
;expires=4294967295
Content-Length: 0

Request for Current Contact List



F1 REGISTER Bob -> SIP Server

REGISTER sips:ss2.**Biloxi** SIP/2.0
Via: SIP/2.0/TLS client.**Biloxi**:5061

;branch=z9hG4bKnashds7
Max-Forwards: 70
From: Bob <sips:bob@**Biloxi**>
;tag=a73kszflf

To: Bob <sips:bob@**Biloxi**>
Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**

CSeq: 1 REGISTER
Authorization: Digest username="bob",
realm="**Atlanta**",
nonce="df84f1cec4341ae6cbe5ap",
opaque="", uri="sips:ss2.**Biloxi**",
response="aa7ab4678258377c6f7d4"

Content-Length: 0

F2 200 OK SIP Server -> Bob

SIP/2.0 200 OK
Via: SIP/2.0/TLS client.**Biloxi**:5061

;branch=z9hG4bKnashds7
;received=192.0.2.201
From: Bob <sips:bob@**Biloxi**>
;tag=a73kszflf

To: Bob <sips:bob@**Biloxi**>
;tag=jqoiuweu75

Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**
CSeq: 1 REGISTER

Contact: <sips:bob@client.**Biloxi**>
;expires=3600

Contact: <mailto:bob@**Biloxi**>
;expires=4294967295
Content-Length: 0

Cancellation of Registration



F1 REGISTER Bob -> SIP Server

REGISTER sips:ss2.**Biloxi** SIP/2.0
Via: SIP/2.0/TLS client.**Biloxi**:5061

;branch=z9hG4bKnashds7
Max-Forwards: 70
From: Bob <sips:bob@**Biloxi**>
;tag=a73kszflf

To: Bob <sips:bob@**Biloxi**>
Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**

CSeq: 1 REGISTER
Expires: 0
Contact: *

Authorization: Digest username="bob",
realm="**Atlanta**",
nonce="88df84f1cac4341aea9c8",
opaque="", uri="sips:ss2.**Biloxi**",
response="ff0437c51696f9a76244"
Content-Length: 0

F2 200 OK SIP Server -> Bob

SIP/2.0 200 OK
Via: SIP/2.0/TLS client.**Biloxi**:5061

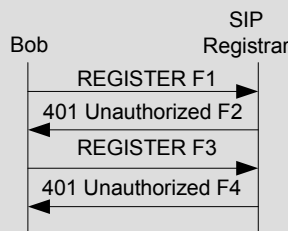
;branch=z9hG4bKnashds7
;received=192.0.2.201
From: Bob <sips:bob@**Biloxi**>
;tag=a73kszflf

To: Bob <sips:bob@**Biloxi**>
;tag=1418nmdsrF

Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**
CSeq: 1 REGISTER

Contact: <sips:bob@client.**Biloxi**>
Content-Length: 0

Unsuccessful Registration



F1 REGISTER Bob -> SIP Server

REGISTER sips:ss2.**Biloxi** SIP/2.0
Via: SIP/2.0/TLS client.**Biloxi**:5061

;branch=z9hG4bKnashds7
Max-Forwards: 70
From: Bob <sips:bob@**Biloxi**>
;tag=a73kszflf

To: Bob <sips:bob@**Biloxi**>
Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**

CSeq: 1 REGISTER
Contact: <sips:bob@client.**Biloxi**>

Content-Length: 0

F2 401 Unauthorized SIP Server -> Bob

SIP/2.0 401 Unauthorized
Via: SIP/2.0/TLS client.**Biloxi**:5061

;branch=z9hG4bKnashds7
;received=192.0.2.201
From: Bob <sips:bob@**Biloxi**>;tag=a73kszflf
To: Bob <sips:bob@**Biloxi**>;tag=1410948204

Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**
CSeq: 1 REGISTER

WWW-Authenticate: Digest
realm="**Atlanta**", qop="auth",
nonce="f1cec4341ae6ca9c8e88",
opaque="", stale=FALSE, algorithm=MD5
Content-Length: 0

F3 REGISTER Bob -> SIP Server

REGISTER sips:ss2.**Biloxi** SIP/2.0
Via: SIP/2.0/TLS client.**Biloxi**:5061

;branch=z9hG4bKnashd92
Max-Forwards: 70
From: Bob <sips:bob@**Biloxi**>;tag=JueHGujd28dfga

To: Bob <sips:bob@**Biloxi**>
Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**

CSeq: 2 REGISTER
Contact: <sips:bob@client.**Biloxi**>

Authorization: Digest username="bob",
realm="**Atlanta**", nonce="f1cec4341ae6ca9c8e88",
opaque="", uri="sips:ss2.**Biloxi**",
response="61f8470ceb87d7ebf50"

Content-Length: 0

F4 200 OK SIP Server -> Bob

SIP/2.0 200 OK
Via: SIP/2.0/TLS client.**Biloxi**:5061

;branch=z9hG4bKnashd92
;received=192.0.2.201
From: Bob <sips:bob@**Biloxi**>
;tag=ja743ks76zflfH

To: Bob <sips:bob@**Biloxi**>
;tag=37GkEhw16

Call-ID: 1j9FpLxk3uhtm8tn@**Biloxi**
CSeq: 2 REGISTER

Contact: <sips:bob@client.**Biloxi**>
;expires=3600
Content-Length: 0