



BroadSoft Partner Configuration Guide

Konftel 300IP

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BroadWorks® Guide

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Version	Reason for Change
1.1	Introduced document for Konftel 300IP version 2.2.9 validation with BroadWorks Release 19.sp1.
1.2	Edited and published document.

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1 Overview

This guide describes the configuration procedures required for the Konftel 300IP for interoperability with BroadWorks.

The 300IP is a conference phone that uses the Session Initiation Protocol (SIP) to communicate with BroadWorks for call control.

This guide describes the specific configuration items that are important for use with BroadWorks. It does not describe the purpose and use of all configuration items on the 300IP. For those details, see the *Konftel 300IP Complete Administrator's Guide* [1] supplied by Konftel.

2 Interoperability Status

This section provides the known interoperability status of the Konftel 300IP with BroadWorks. This includes the version(s) tested, the capabilities supported, and known issues.

Interoperability testing validates that the device interfaces properly with BroadWorks via the SIP interface. Qualitative aspects of the device or device capabilities not affecting the SIP interface such as display features, performance, and audio qualities are not covered by interoperability testing. Requests for information and/or issues regarding these aspects should be directed to Konftel.

2.1 Verified Versions

The following table identifies the verified Konftel 300IP and BroadWorks versions and the month/year the testing occurred. If the device has undergone more than one test cycle, versions for each test cycle are listed, with the most recent listed first.

Compatible Versions in the following table identifies specific 300IP versions, which the partner has identified as compatible and the versions should interface properly with BroadWorks. Generally, maintenance releases of the validated version are considered compatible and may not be specifically listed here. For any questions concerning maintenance and compatible releases, contact Konftel.

NOTE: Interoperability testing is usually performed with the latest generally available (GA) device firmware/software and the latest GA BroadWorks release and service pack at the time the testing occurs. If there is a need to use a non-verified mix of BroadWorks and device software versions, customers can mitigate their risk by self-testing the combination using the *BroadWorks SIP Phone Interoperability Test Plan* [5].

Verified Versions

Date (mm/yyyy)	BroadWorks Release	300IP Verified Version	300IP Compatible Versions
08/2014	Release 19.sp1	2.2.9	List any specific compatible versions.

2.2 Interface Capabilities Supported

This section identifies interface capabilities that have been verified through testing as supported by Konftel 300IP.

The *Supported* column in the tables in this section identifies the Konftel 300IP's support for each of the items covered in the test plan, with the following designations:

- Yes Test item is supported.
- No Test item is not supported.
- NA Test item is not applicable to the device type.
- NT Test item was not tested.

Caveats and clarifications are identified in the *Comments* column.

2.2.1 SIP Interface Capabilities

The Konftel 300IP has completed interoperability testing with BroadWorks using the *BroadWorks SIP Phone Interoperability Test Plan* [5]. The results are summarized in the following table.

The BroadWorks test plan is composed of packages, each covering distinct interoperability areas, such as “Basic” call scenarios and “Redundancy” scenarios. Each package is composed of one or more test items, which in turn, are composed of one or more test cases. The test plan exercises the SIP interface between the device and BroadWorks with the intent to ensure interoperability sufficient to support the BroadWorks feature set.

NOTE: *DUT* in the following table refers to the *Device Under Test*, which in this case is the Konftel 300IP.

BroadWorks SIP Phone Interoperability Test Plan Support Table

Test Plan Package	Test Plan Package Items	Supported	Comments
Basic	Call Origination	Yes	
	Call Termination	Yes	
	Session Audit	Yes	
	Session Timer	Yes	
	Ringback	Yes	
	Forked Dialog	Yes	
	181 Call Being Forwarded	Yes	
	Dial Plan	Yes	
	DTMF – Inband	Yes	
	DTMF – RFC 2833	Yes	
	DTMF – DTMF Relay	Yes	
	Codec Negotiation	Yes	
	Codec Renegotiation	Yes	
	BroadWorks Services	Third-Party Call Control – Basic	Yes
Third-Party Call Control – Advanced		No	
Voice Message Deposit/Retrieval		Yes	
Message Waiting Indicator		No	
Voice Portal Outcall		Yes	
Advanced Alerting – Ringing		No	
Advanced Alerting – Call Waiting		No	
Advanced Alerting – Ring Splash		No	
Advanced Alerting – Silent Alerting		No	
Calling Line ID		Yes	

BroadWorks SIP Phone Interoperability Test Plan Support Table

Test Plan Package	Test Plan Package Items	Supported	Comments
	Calling Line ID with Unicode Characters	No	
	Connected Line ID	No	
	Connected Line ID with Unicode Characters	No	
	Connected Line ID on UPDATE	No	
	Connected Line ID on Re-INVITE	No	
	Diversion Header	Yes	
	History-Info Header	No	
	Advice of Charge	No	
	Meet-Me Conferencing	Yes	
	Meet-Me Conferencing – G722	Yes	
	Meet-Me Conferencing – AMR-WB	No	
DUT Services – Call Control Services	Call Waiting	Yes	
	Call Hold	Yes	
	Call Transfer	Yes	Blind transfer only.
	Three-Way Calling	Yes	No support for before answer scenario.
	Network-Based Conference	No	
DUT Services – Registration and Authentication	Register Authentication	Yes	
	Maximum Registration	Yes	
	Minimum Registration	Yes	
	Invite Authentication	Yes	
	Re-Invite/Update Authentication	Yes	
	Refer Authentication	Yes	
	Device Authenticating BroadWorks	No	
DUT Services – Emergency Call	Emergency Call	No	
	Emergency Call with Ringback	No	
DUT Services – Miscellaneous	Do Not Disturb	No	
	Call Forwarding Always	No	
	Call Forwarding Always Diversion Inhibitor	No	
	Anonymous Call	No	
	Anonymous Call Block	No	
	Remote Restart Via Notify	No	
Advanced Phone	Busy Lamp Field	No	

BroadWorks SIP Phone Interoperability Test Plan Support Table

Test Plan Package	Test Plan Package Items	Supported	Comments
Services – Busy Lamp Field	Call Park Notification	No	
Advanced Phone Services – Feature Key Synchronization, Private Line	Do Not Disturb	No	
	Do Not Disturb Ring Splash	No	
	Call Forwarding	No	
	Call Forwarding Always Ring Splash	No	
	Call Forwarding Always Diversion Inhibitor	No	
	Call Center Agent Logon/Logoff	No	
	Call Center Agent Unavailable Code	No	
	Executive – Call Filtering	No	
	Executive-Assistant – Call Filtering	No	
	Executive-Assistant – Diversion	No	
	Call Recording	No	
	Security Classification	No	
Advanced Phone Services – Feature Key Synchronization, Shared Line	Do Not Disturb	No	
	Do Not Disturb Ring Splash	No	
	Call Forwarding	No	
	Call Forwarding Always Ring Splash	No	
	Call Forwarding Always Diversion Inhibitor	No	
	Security Classification	No	
Advanced Phone Services – Missed Calls Display Synchronization	Missed Calls Display Sync	No	
Advanced Phone Services – Shared Call Appearance using Call Info	Line-Seize	No	
	Call-Info/Lamp Management	No	
	Public Hold	No	
	Private Hold	No	
	Hybrid Key System	No	
	Multiple Call Arrangement	No	
	Bridge Active Line	No	
	Bridge Active Line – Silent Monitor	No	
	Call Park Notification	No	
Advanced Phone Services – Call Park Notification	Call Park Notification	No	

BroadWorks SIP Phone Interoperability Test Plan Support Table

Test Plan Package	Test Plan Package Items	Supported	Comments
Advanced Phone Services – Call Center	Hold Reminder	No	
	Call Information	No	
	Hoteling Event	No	
	Status Event	No	
	Disposition Code	No	
	Emergency Escalation	No	
	Customer Originated Trace	No	
Advanced Phone Services – Call Recording Controls	Pause/Resume	No	
	Start/Stop	No	
	Record Local Conference	No	
	Record Network Conference	No	
Advanced Phone Services – Call Recording Video	Basic Call	No	
	Record Local Conference	No	
	Record Network Conference	No	
Advanced Phone Services – Security Classification	Security Classification	No	
Redundancy	DNS SRV Lookup	Yes	
	Register Failover/Failback	No	
	Invite Failover/Failback	No	
	Bye Failover	No	
Session Border Controller (SBC)/Application Layer Gateway (ALG)	Register	Yes	
	Outgoing Invite	Yes	
	Incoming Invite	Yes	
Video – Basic Video Calls	Call Origination	No	
	Call Termination	No	
	Call Hold	No	
	Call Waiting	No	
	Call Transfer	No	
Video – BroadWorks Video Services	Auto Attendant	No	
	Auto Attendant – HD	No	
	Voice Messaging	No	
	Voice Messaging – HD	No	
	Custom Ringback	No	
Video – BroadWorks	Network-based Conference	No	

BroadWorks SIP Phone Interoperability Test Plan Support Table

Test Plan Package	Test Plan Package Items	Supported	Comments
Video Conference	Network-based Conference – HD	No	
TCP	Register	Yes	
	Outgoing Invite	Yes	
	Incoming Invite	Yes	
IPV6	Call Origination	No	
	Call Termination	No	
	Session Audit	No	
	Ringback	No	
	Codec Negotiation/Renegotiation	No	
	Voice Message Deposit/Retrieval	No	
	Call Control	No	
	Registration with Authentication	No	
	Busy Lamp Field	No	
	Redundancy	No	
	SBC	No	
	Video	No	
	Dual Stack with Alternate Connectivity	No	

2.2.1 Other Interface Capabilities

The Konftel 300IP may have implemented support for the following:

- BroadWorks Xtended Services Interface (Xsi)
- Extensible Messaging and Presence Protocol (XMPP) (BroadCloud/BroadWorks Collaborate Instant Messaging and Presence [IM&P])

Support for these interfaces is demonstrated by completing the *BroadWorks SIP Phone Functional Test Plan* [7]. Support for these interfaces is summarized in the following table.

BroadWorks Xtended Services Interface (Xsi) and BroadCloud IM&P Support Table

Interface	Feature	Supported	Comments
Xsi Features – Authentication	Authenticate with SIP Credentials	No	
	Authenticate with BroadWorks User Login Credentials	No	
	Authenticate with BroadWorks User Directory Number	No	
Xsi Features – User Service Configuration	Remote Office	No	
	BroadWorks Anywhere	No	
	Simultaneous Ringing	No	

BroadWorks Xtended Services Interface (Xsi) and BroadCloud IM&P Support Table			
Interface	Feature	Supported	Comments
	Caller ID Blocking	No	
	Call Forwarding Always	No	
	Call Forwarding Busy	No	
	Call Forwarding No Answer	No	
	Do Not Disturb	No	
Xsi Features – Directories	Enterprise Directory	No	
	Enterprise Common Phone List	No	
	Group Directory	No	
	Group Common Phone List	No	
	Personal Phone List	No	
	Search All Directories	No	
Xsi Features – Call Logs	Placed Calls	No	
	Received Calls	No	
	Missed Calls	No	
	All Calls	No	
	Sort by Name	No	
XMPP Features – Contact/Buddy List	Contacts	No	
	Favorites	No	
	Groups	No	
	Non-XMPP Contacts	No	
	Conferences	No	
XMPP Features – Presence	Login Invisible	No	
	Presence State	No	
	Presence Status	No	
	Contact's Presence State	No	

2.3 Known Issues

This section lists the known interoperability issues between BroadWorks and specific partner release(s). Issues identified during interoperability testing and known issues identified in the field are listed.

The following table provides a description of each issue and, where possible, identifies a workaround. The verified partner device versions are listed with an “X” indicating that the issue occurs in the specific release. The issues identified are device deficiencies or bugs, and are typically not BroadWorks release dependent.

If the testing was performed by BroadSoft, then the *Issue Number* is a BroadSoft ExtraView partner issue number. If the testing was performed by the partner or a third party, then the partner may or may not supply a tracking number.

For more information on any issues related to the particular partner device release, see the partner release notes.

Issue Number	Issue Description	Partner Version			
		2.2.9			
#374	<p>300IP fails to provide response to unsolicited message-summary NOTIFY</p> <p>300IP advertise support for NOTIFY, however when BroadWorks sends message summary NOTIFY, the message is left unresponded. This behavior is undesirable and will result in unnecessary network traffic due to re-transmission.</p> <p>Workaround: None.</p>	X			

3 BroadWorks Configuration

This section identifies the required BroadWorks device profile type for the Konftel 300IP as well as any other unique BroadWorks configuration required for interoperability with the 300IP.

3.1 BroadWorks Device Profile Type Configuration

This section identifies the device profile type settings to use when deploying the Konftel 300IP with BroadWorks.

Create a device profile type for the Konftel 300IP as shown in the following example. A separate device profile type should be created for each Konftel 300IP model. The settings shown are recommended for use when deploying the Konftel 300IP with BroadWorks. For an explanation of the profile parameters, see the *BroadWorks Device Management Configuration Guide* [\[2\]](#).

The following device profile type figure provides the *Number of Ports* (number of SIP lines) setting for Konftel 300IP.

Identity/Device Profile Type Modify
Modify an existing identity/device profile type.

OK Apply Delete Export Cancel

Identity/Device Profile Type: Konftel 300IP
Signaling Address Type: Intelligent Proxy Addressing
 Obsolete

Standard Options

Number of Ports: Unlimited Limited To

Ringback Tone/Early Media Support: RTP - Session
 RTP - Early Session
 Local Ringback - No Early Media

Authentication: Enabled
 Disabled
 Enabled With Web Portal Credentials

Hold Normalization: Unspecified Address
 Inactive
 RFC3264

Registration Capable Authenticate REFER
 Static Registration Capable Video Capable
 E164 Capable Use History Info Header
 Trusted

Advanced Options

Route Advance Forwarding Override
 Wireless Integration Conference Device
 PBX Integration Mobility Manager Device
 Add P-Called-Party-ID Music On Hold Device
 Auto Configuration Soft Client Requires BroadWorks Digit Collection
 Requires BroadWorks Call Waiting Tone Requires MWI Subscription
 Advice of Charge Capable Support Call Center MIME Type
 Support Emergency Disconnect Control Support Identity In UPDATE and Re-INVITE
 Enable Monitoring Support RFC 3398
 Static Line/Port Ordering Support Client Session Info
 Support Call Info Conference Subscription URI Support Remote Party Info
 Support Visual Device Management Bypass Media Treatment

Reset Event: reSync checkSync Not Supported
Trunk Mode: User Pilot Proxy
Hold Announcement Method: Inactive Bandwidth Attributes

Unscreened Presentation Identity Policy: Profile Presentation Identity
 Unscreened Presentation Identity
 Unscreened Presentation Identity With Profile Domain

Web Based Configuration URL Extension:

Device Configuration Options: Not Supported Device Management Legacy

OK Apply Delete Export Cancel

3.2 BroadWorks Configuration Steps

There are no additional BroadWorks configurations necessary.

4 300IP Configuration

This section describes the configuration settings required for the 300IP integration with BroadWorks, primarily focusing on the SIP interface configuration. The 300IP configuration settings identified in this section have been derived and verified through interoperability testing with BroadWorks. For 300IP configuration details not covered in this section, see the *Konftel 300IP Complete Administrator's Guide* [1].

4.1 Configuration Method

Konftel 300IP can be configured using the web interface, on the phone or by using a device management server. Konftel 300IP can also import a configuration file via the web interface. For more information, see the example configuration file in Appendix A.

Configuration files when using device management server

Konftel 300IP Configuration Files	Level	Description
<i>kt300ip_fw_version.xml</i>	global	Contains information about the desired deployment firmware load.
<i>kt300ip.xml</i>	global settings	Contains configurable parameters that apply to all devices in a given deployment.
<i>kt300ip_<mac>.xml</i> Example: <i>kt300ip_0004f2000fbb.xml</i>	Subscriber	Contains configurable parameters that apply to an individual device in a deployment.

4.2 System Level Configuration

This section describes system-wide configuration items that are generally required for each Konftel 300IP to work with BroadWorks. Subscriber-specific settings are described in the next section.

4.2.1 Configure Network Settings

Step	Command	Description
Step 1	Not applicable.	If Konftel 300IP is connected to a network with DHCP server, then nothing needs to be done. If a static IP is needed, then see the <i>Konftel 300IP Complete Administrator's Guide</i> [1].

4.2.2 Configure SIP Interface Settings

Log in as an admin with the default password of "1234" via the web interface of the Konftel 300IP.

Step	Command	Description
Step 1	Go to Setting > SIP in Konftel 300IP web interface	
Step 2	Registrar = as.iopl.broadworks.net	Fully Qualified Domain Name (FQDN) for the BroadWorks Application Server cluster.

Step	Command	Description
Step 3	If needed enter the proxy settings. Proxy = alg.broadworks.net	Set the Outbound Proxy to the Session Border Controller (SBC) if one is deployed between the Konftel 300IP and BroadWorks.

4.3 Subscriber Level Configuration

This section identifies the device-specific parameters, including registration and authentication. These settings must be unique across devices to match the settings for a BroadWorks SIP trunk or subscriber. SIP Registration requires that a unique address of record (AoR) be provisioned on BroadWorks and the device.

Step	Command	Description
Step 1	Go to Settings > SIP in Konftel 300IP web interface	
Step 2	Under "Account 1" Enable account = Yes	
Step 3	Account Name = 2404983282	Will only be used internal in the Konftel 300IP and will be displayed in the idle screen of the phone.
Step 4	User = 2404983282	The register user ID must correspond with the line/port setting on BroadWorks.
Step 5	Authentication name = KonftelUser2	If the Authentication service is configured on BroadWorks, then the authentication name parameter must be configured to match the BroadWorks settings.
Step 6	Password = ****	If the Authentication service is configured on BroadWorks, then the password parameter must be configured to match the BroadWorks settings.

4.4 SIP Advanced Feature Configuration

This section provides configuration instructions for advanced SIP features supported by the phone including but not limited to *Shared Call Appearance*, *Busy Lamp Field*, *Feature Key Synchronization*, *Call Center*, *Emergency Call*, *Advice of Charge*, *Call Recording*, and *Security Classification*.

The Konftel 300IP does not support any SIP Advanced Features.

5 Device Management

The Konftel 300IP does not currently support the BroadWorks Device Management feature.

Appendix A: Reference 300IP Configuration Files

The following is a reference configuration for the Konftel 300IP configured for use with BroadWorks.

System Default File: kt300ip.xml

NOTE: This is an example file and it should be used for reference only.

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<KT300IP>
  <config_version>1</config_version>
  <locale>
    <region>SWE</region>
  </locale>
  <recording>
    <enable>true</enable>
  </recording>
  <admin_profile>
    <password></password>
  </admin_profile>
  <logging>
    <level>3</level>
    <log_sip>true</log_sip>
    <remote_log>false</remote_log>
    <remote_host></remote_host>
  </logging>
  <network>
    <net>
      <dhcp>false</dhcp>
      <ip>83.68.233.83</ip>
      <netmask>255.255.255.248</netmask>
      <gateway>83.68.233.81</gateway>
      <dns1>8.8.8.8</dns1>
      <dns2>127.0.0.1</dns2>
      <hostname>konftel300ip</hostname>
      <domain></domain>
      <vlan>
        <enable>false</enable>
        <id>1</id>
        <std_prio_map>false</std_prio_map>
        <sip_priority>0</sip_priority>
        <media_priority>0</media_priority>
      </vlan>
      <ether_8021x>
        <enable>false</enable>
        <username></username>
        <eap_md5>
          <enable>false</enable>
        </eap_md5>
        <password></password>
        <eap_tls>
          <enable>false</enable>
        </eap_tls>
        <password></password>
      </ether_8021x>
    </net>
  </network>
  <qos>
```

```
<dscp_sip>0</dscp_sip>
<dscp_media>0</dscp_media>
</qos>
<time>
  <ntp>true</ntp>
  <timezone>UTC+01:00</timezone>
  <ntp_s>pool.ntp.org</ntp_s>
  <dst_save>>false</dst_save>
  <dst_auto>true</dst_auto>
  <dst_offset>UTC+2:00</dst_offset>
  <dst_start_fixed>>false</dst_start_fixed>
  <dst_start_month>3</dst_start_month>
  <dst_start_week>5</dst_start_week>
  <dst_start_day>0</dst_start_day>
  <dst_start_time>02:00</dst_start_time>
  <dst_stop_fixed>>false</dst_stop_fixed>
  <dst_stop_month>10</dst_stop_month>
  <dst_stop_week>5</dst_stop_week>
  <dst_stop_day>0</dst_stop_day>
  <dst_stop_time>02:00</dst_stop_time>
</time>
</network>
<sip>
  <udp_transport>true</udp_transport>
  <udp_port>5060</udp_port>
  <tcp_transport>>false</tcp_transport>
  <tcp_port>5060</tcp_port>
  <tls_transport>>false</tls_transport>
  <tls_port>5061</tls_port>
  <sips_transport>>false</sips_transport>
  <rtp_port>4000</rtp_port>
  <outbound_proxy></outbound_proxy>
  <use_stun>>false</use_stun>
  <stun_domain></stun_domain>
  <stun_host></stun_host>
  <use_turn>>false</use_turn>
  <turn_host></turn_host>
  <turn_tcp>>false</turn_tcp>
  <turn_user></turn_user>
  <turn_passwd></turn_passwd>
  <nat_type_in_sdp>1</nat_type_in_sdp>
  <require_100rel>>false</require_100rel>
  <use_timer>1</use_timer>
  <min_se>90</min_se>
  <sess_expires>1800</sess_expires>
  <use_srtp>0</use_srtp>
  <srtp_secure_signaling>1</srtp_secure_signaling>
  <codec1>
    <type>G722</type>
    <name>G722</name>
    <prio>4</prio>
  </codec1>
  <codec2>
    <type>PCMA</type>
    <name>PCMA</name>
    <prio>3</prio>
  </codec2>
  <codec3>
    <type>PCMU</type>
    <name>PCMU</name>
    <prio>2</prio>
  </codec3>
```

```
<codec4>
  <type>G729</type>
  <name>G729</name>
  <prio>1</prio>
</codec4>
<dtmf>2</dtmf>
<no_vad>true</no_vad>
<ec_tail>0</ec_tail>
<enable_ice>false</enable_ice>
<enable_relay>false</enable_relay>
<enable_presence>false</enable_presence>
<enable_sip_replaces>true</enable_sip_replaces>
<enable_blind_transfer>true</enable_blind_transfer>
<allow_contact_rewrite>true</allow_contact_rewrite>
<disable_rport>false</disable_rport>
<disable_rtcp_advertising>false</disable_rtcp_advertising>
</sip>
<tls>
  <tls_password></tls_password>
  <tls_method>0</tls_method>
  <tls_verify_server>false</tls_verify_server>
  <tls_verify_client>false</tls_verify_client>
  <tls_require_client_cert>false</tls_require_client_cert>
  <tls_neg_timeout>0</tls_neg_timeout>
</tls>
<account1>
  <valid>true</valid>
  <name>2404983282</name>
  <id>2404983282</id>
  <registrar>as.iopl.broadworks.net</registrar>
  <publish_enabled>false</publish_enabled>
  <initial_auth>false</initial_auth>
  <initial_algo></initial_algo>
  <pidf_tuple_id></pidf_tuple_id>
  <force_contact></force_contact>
  <require_100rel>false</require_100rel>
  <proxy_uri></proxy_uri>
  <reg_timeout>1800</reg_timeout>
  <cred>
    <realm>*</realm>
    <scheme></scheme>
    <username>KonftelUser2</username>
    <cred_data_type>0</cred_data_type>
    <cred_data></cred_data>
  </cred>
  <auto_update_nat>true</auto_update_nat>
  <ka_interval>15</ka_interval>
  <ka_data></ka_data>
  <use_srtp>0</use_srtp>
  <srtp_secure_signaling>1</srtp_secure_signaling>
</account1>
<account2>
  <valid>false</valid>
  <name></name>
  <id></id>
  <registrar></registrar>
  <publish_enabled>false</publish_enabled>
  <initial_auth>false</initial_auth>
  <initial_algo></initial_algo>
  <pidf_tuple_id></pidf_tuple_id>
  <force_contact></force_contact>
  <require_100rel>false</require_100rel>
```

```
<proxy_uri></proxy_uri>
<reg_timeout>1800</reg_timeout>
<cred>
  <realm>*</realm>
  <scheme></scheme>
  <username></username>
  <cred_data_type>0</cred_data_type>
  <cred_data></cred_data>
</cred>
<auto_update_nat>true</auto_update_nat>
<ka_interval>15</ka_interval>
<ka_data></ka_data>
<use_srtp>0</use_srtp>
<srtp_secure_signaling>1</srtp_secure_signaling>
</account2>
<provisioning>
  <upgrade>

<url>http://upgrade.konftel.com/download/konftel_300ip</url>
</upgrade>
  <dev_mgnt>
    <enable>true</enable>
    <use_dhcp_option>true</use_dhcp_option>
    <dhcp_option>43</dhcp_option>
    <file_server_address></file_server_address>
    <pagename></pagename>
    <update_interval>*/30 * * * *</update_interval>
    <https_check_srv_cert>true</https_check_srv_cert>
    <https_protocol>auto</https_protocol>
  </dev_mgnt>
</provisioning>
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  <enable_internal_spkr>false</enable_internal_spkr>
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  <username></username>
  <password></password>
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  <number_attributes>mobile</number_attributes>
  <display_name>%cn</display_name>
  <sort_results>true</sort_results>
</ldap>
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<scrip></scrip>  
<elin></elin>  
</lldp>  
</KT300IP>
```

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