

Quick guide

Konftel 300IP device management

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Using a device management server

Using Device management facilitates the upgrading and configuration of multiple conference phones. To use this feature, the Device management needs to be enabled (default) and configured and the appropriate files must be located on a server reachable from all phones, here called a device management server.

The configuration and firmware download are controlled with a configurable frequency. The default value is once every 30 minutes. (Note: The interval can only be edited directly in the configuration file.)

Configuration priorities

Because the same configuration parameters can be entered in multiple locations, there is a need for priorities. The local configuration files have the highest priority followed by the global configuration file. Configuration entered on the unit itself, via the web interface or directly on the phone, is overridden the next time the configuration files are downloaded.

Global configuration file

The global configuration file contains the basic configuration – all settings that are common for all conference phones on your location. The easiest way to create this file is simply to configure one phone and export the configuration file.

The default name for this file is kt300ip.xml, but it is possible to create a custom name by using the pagename element in the configuration file. It is also possible to refer to a cgi, php, asp or js file, instead of the xml file, if this is declared using the type element in the configuration file.

Konftel 300IP searches for configuration files in the following order:

1. kt300ip.xml
2. kt300ip.cgi?phone_model=kt300ip
3. kt300ip.php?phone_model=kt300ip
4. kt300ip.asp?phone_model=kt300ip
5. kt300ip.js?phone_model=kt300ip

Local configuration file

The local configuration file contains configuration parameters that are unique for every conference phone. The settings in this file takes precedence over the settings in the global configuration file.

The default name for this file is `kt300ip-<MAC>.xml`, where `<MAC>` is the MAC address of the specific conference phone. The MAC address should be written without colons.

It is possible to create a custom name by using the `pagename` element in the configuration file. It is also possible to refer to a `cgi`, `php`, `asp` or `js` file, instead of the `xml` file, if this is declared using the `type` element in the configuration file.

Konftel 300IP searches for configuration files in the following order:

1. `kt300ip-<MAC>.xml`
2. `kt300ip.cgi?phone_model=kt300ipð=<MAC>`
3. `kt300ip.php?phone_model=kt300ipð=<MAC>`
4. `kt300ip.asp?phone_model=kt300ipð=<MAC>`
5. `kt300ip.js?phone_model=kt300ipð=<MAC>`

See appendix A for a basic configuration example.

See appendix B for complete configuration file (version 2.3.4).

Firmware binary

Contains the firmware binary that will be downloaded and installed by Konftel 300IP if the metadata file shows that this is a newer version than the present installed. The binary file can be downloaded from www.konftel.com/upgrades.

Firmware metadata file

A metadata file in xml format with information of the firmware version in the binary file. The file is used to check if the binary file should be downloaded to the phone or not. The name of this file shall be `kt300ip_fw_version.xml`. The file shall contain the following elements in xml format.

```
<firmware_version>  
<version>X.X.X</version> Eg. 2.3.4  
<filename>xxxx</filename> Eg. KT300IP_v2.3.4.kt  
<checksum>XXXX</checksum> MD5 checksum of the firmware binary  
</firmware_version>
```

Appendix A – Example configuration file

Global configuration file (kt300ip.xml)

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<KT300IP>
  <config_version>1</config_version>
  <recording>
    <enable>>false</enable>
  </recording>
  <admin_profile>
    <password>0123</password>
  </admin_profile>
</KT300IP>
```

Local configuration file (eg. kt300ip-00111E1268FB.xml)

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<KT300IP>
  <config_version>1</config_version>
  <account1>
    <valid>>true</valid>
    <name>500</name>
    <id>500</id>
    <registrar>10.10.1.30</registrar>
    <cred>
      <username>500</username>
      <cred_data>pw500</cred_data>
    </cred>
  </account1>
</KT300IP>
```

In this example all Konftel 300IP will disable recording and change the default admin password to 0123. Konftel 300IP with MAC address 00:11:1E:12:68:FB will register to 10.10.1.30 with extension 500.

Appendix B – Full configuration file (version 2.3.4)

Please download the “Complete administration guide” from <http://www.konftel.com/Products/Konftel300IP> to get detailed information regarding the XML-tags.

```
<?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>true</dhcp>
      <ip>192.168.0.100</ip>
      <netmask>255.255.255.0</netmask>
      <gateway>192.168.0.1</gateway>
      <dns1></dns1>
      <dns2></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>
          <password></password>
        </eap_md5>
        <eap_tls>
          <enable>false</enable>
          <password></password>
        </eap_tls>
      </ether_8021x>
    </net>
    <qos>
      <dscp_sip>0</dscp_sip>
      <dscp_media>0</dscp_media>
    </qos>
  </network>
</KT300IP>
```

```
<time>
  <ntp>true</ntp>
  <timezone>UTC+01:00</timezone>
  <ntps>pool.ntp.org</ntps>
  <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>23</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>500</name>
  <id>500</id>
  <registrar>10.10.1.30</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>500</username>
    <cred_data_type>0</cred_data_type>
    <cred_data>pw500</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>
<www>
  <enable_https>false</enable_https>
</www>
<pa>
  <enable_pa>false</enable_pa>
  <enable_internal_mic>false</enable_internal_mic>
  <enable_internal_spkr>false</enable_internal_spkr>
  <calibration>0</calibration>
</pa>
<ldap>
  <enable>false</enable>
  <name_filter>(|(sn=%*)(cn=%*))</name_filter>
  <server_url>ldap://192.168.0.1</server_url>
  <search_base>dc=example,dc=com</search_base>
  <username></username>
  <password></password>
  <max_hits>20</max_hits>
  <country_code></country_code>
  <area_code></area_code>
  <external_prefix></external_prefix>
  <min_length_for_ext_prefix></min_length_for_ext_prefix>
  <number_attributes>mobile</number_attributes>
  <display_name>%cn</display_name>
  <sort_results>true</sort_results>
</ldap>
<lldp>
  <latitude></latitude>
  <longitude></longitude>
  <altitude></altitude>
  <datum></datum>
  <language></language>
  <country_subdivision></country_subdivision>
  <county></county>
  <city></city>
  <city_division></city_division>
```

```
<block></block>
<street></street>
<direction></direction>
<trailing_street_suffix></trailing_street_suffix>
<street_suffix></street_suffix>
<number></number>
<number_suffix></number_suffix>
<landmark></landmark>
<additional></additional>
<name></name>
<zip></zip>
<building></building>
<unit></unit>
<floor></floor>
<room></room>
<place_type></place_type>
<scrip></scrip>
<elin></elin>
</lldp>
</KT300IP>
```