

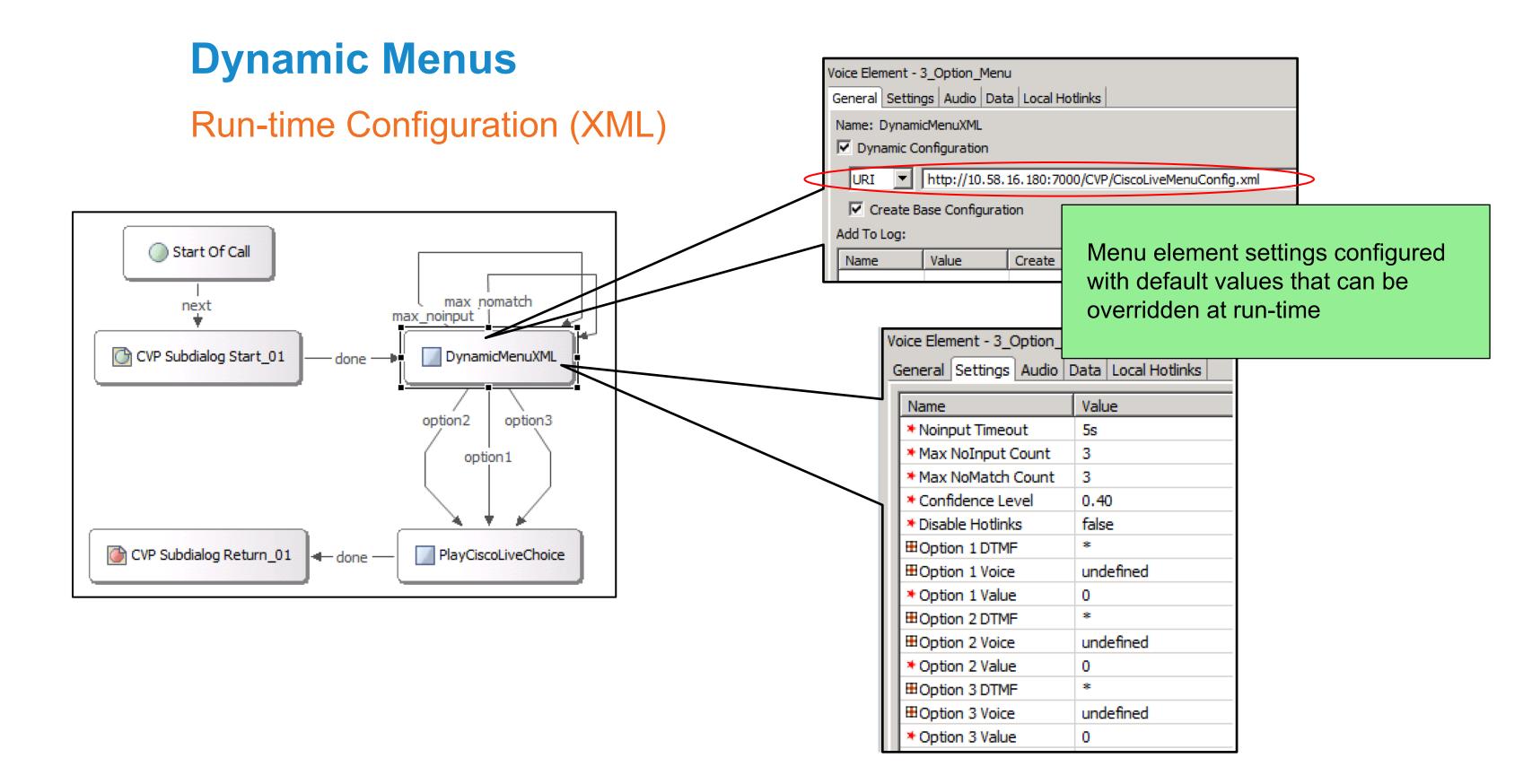


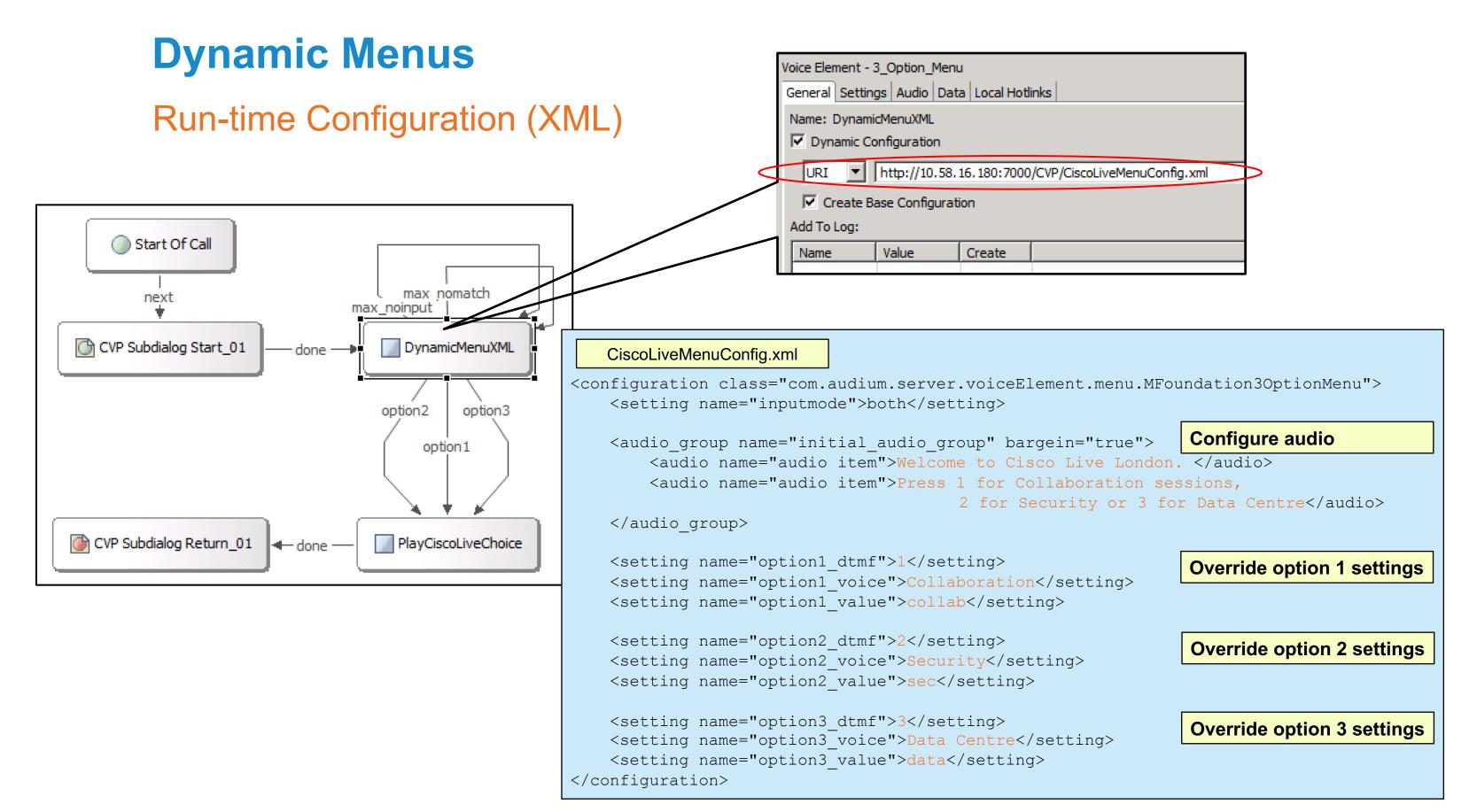


Use Case / Challenge

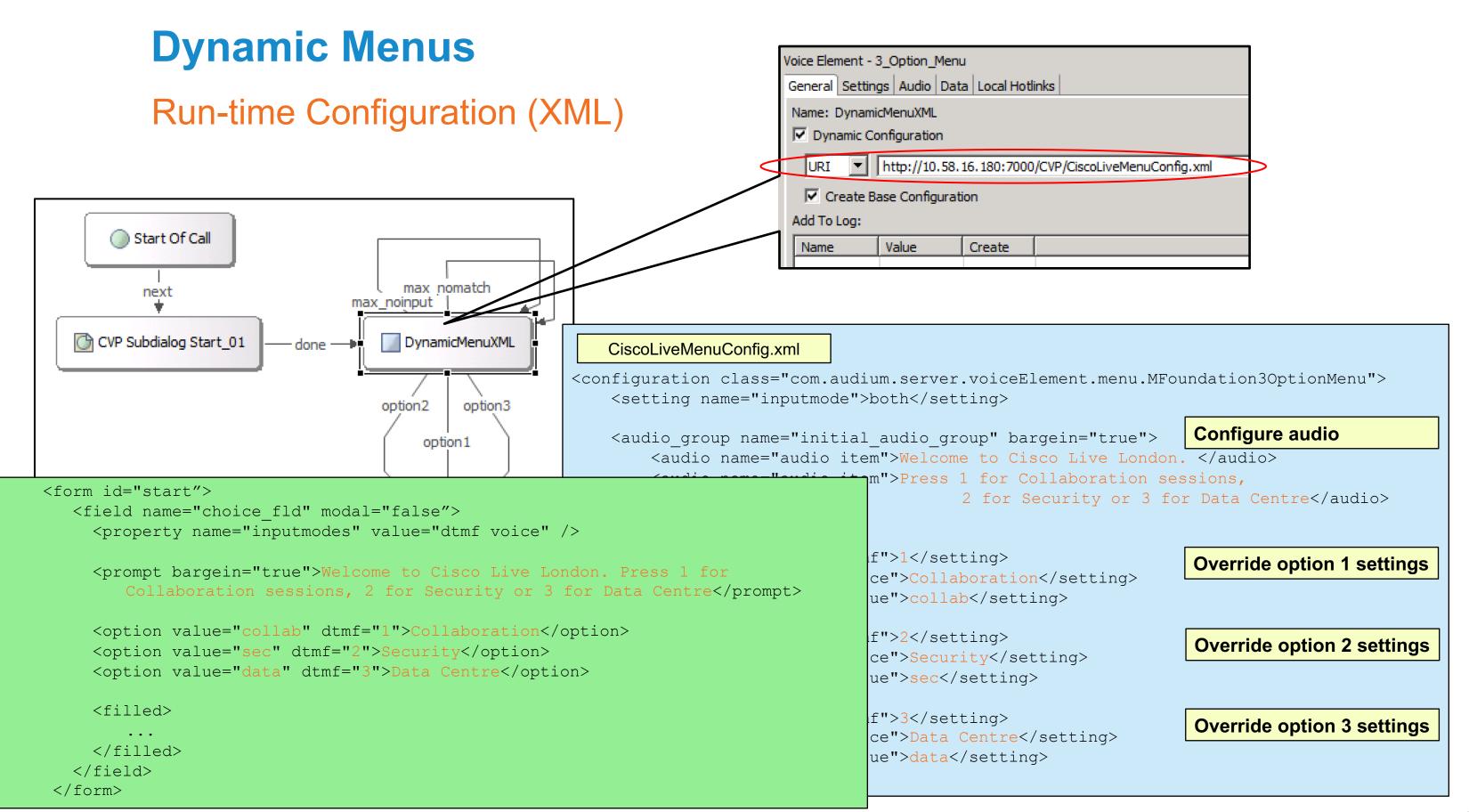
- Predictive IVR presenting menus to the caller based on the most likely reasons for calling
 - Have they just made a booking and is this most likely a follow-up call?
 - Have they just been sent a monthly bill (possibly with exceptional charges)?
 - Derive possible reasons from back-end system caller profile/history
- Randomise the menu items
 - Possibly for tele-voting application candidate lists
- Personalised menus
 - Only offer the menu items relevant to a particular customer

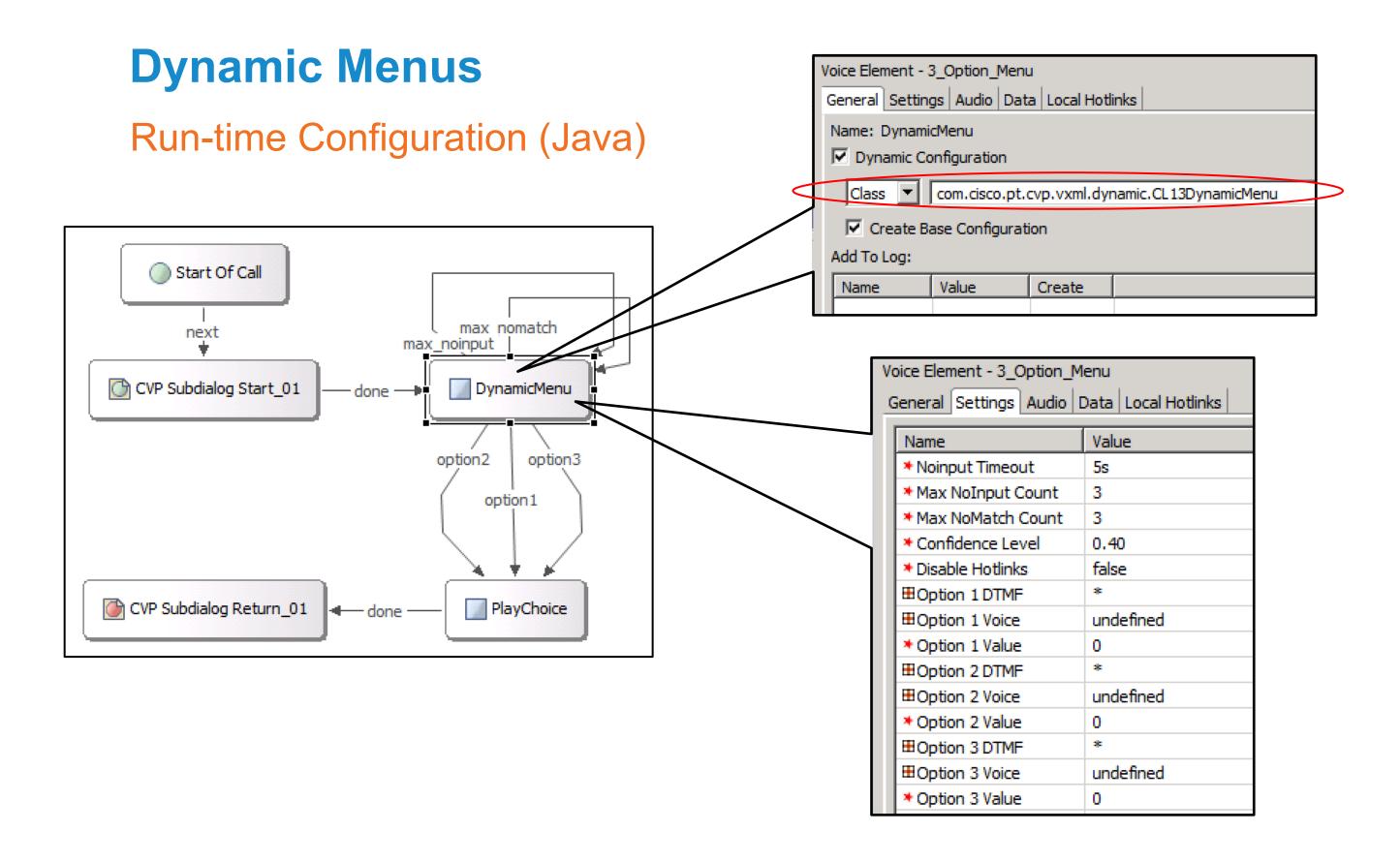
Problem: CVP Call Studio menu elements are statically configured with a preselected number of options





BRKCCT-3030







```
public class CL13DynamicMenu implements VoiceElementInterface {
// Dynamically configues the menu element from an array of data objects, each one
// specifying the items required for a single menu option. In this example the
                                                                                                  Create configuration sample data as an array of
// data is statically defined but it could be retrieved from anywhere.
                                                                                                  menu option objects containing text strings.
  String prompt = "Please select one of the following options";
                                                                                                  Data could come from anywhere you choose.
  MenuOption[] optList = new MenuOption[]{new MenuOption("booking", "Booking", "If you're calling about a booking you've just made, press"),
                                           new MenuOption("account", "Account", "If you'd like to talk to us about your frequent flyer account, press "),
                                          new MenuOption("baggage", "Baggage", "If you're trying to locate lost baggage, press ")};
  public VoiceElementConfig getConfig(String name,
                                                                                                  Implement getConfig method
                                      ElementAPI elementAPI.
                                      VoiceElementConfig cfg) throws AudiumException
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                                                                                                   Implement getConfig method
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                                      VoiceElementConfig cfg) throws AudiumException
     AudioGroup init_audgrp = cfg.new AudioGroup("initial_audio_group", false);
                                                                                                   Create audio group and add the first prompt
      StaticAudio tts = cfg.new StaticAudio(prompt, null);
      init_audgrp.addAudioItem(tts);
      init_audgrp.setBargein(true);
      cfg.setAudioGroup(init audgrp);
```

| Voice Element - 3_Option_Menu | General | Settings | Audio | Data | Local Hotlinks |

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      cfg.setAudioGroup(init audgrp);
      for (int i = 1; i <= optList.length; i++)
        MenuOption m = optList[i - 1];
                                                                                                   For each menu option add its audio prompt to
        StaticAudio opt tts = cfg.new StaticAudio(m.prompt + i, null);
                                                                                                   the group
        init audgrp.addAudioItem(opt tts);
      return cfg;
```

BRKCCT-3030

Voice Element - 3 Option Menu General Settings Audio Data Local Hotlinks

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      for (int i = 1; i <= optList.length; i++)
        MenuOption m = optList[i - 1];
        StaticAudio opt tts = cfg.new StaticAudio(m.prompt + i, null);
                                                                                                        the group
        init_audgrp.addAudioItem(opt_tts);
        cfg.setSettingValue("option" + i + "_value", m.value);
        cfg.setSettingValue("option" + i + "_voice", m.voice);
                                                                                                        value settings
        cfg.setSettingValue("option" + i + " dtmf", Integer.toString(i));
      return cfg;
```

Create configuration sample data as an array of menu option objects containing text strings. Data could come from anywhere you choose.

Create audio group and add the first prompt

For each menu option add its audio prompt to

For each menu option set the DTMF, voice and

Cisco Public

```
<form id="start">
   <field name="choice fld" modal="false">
     cproperty name="inputmodes" value="dtmf voice" />
     cprompt bargein="true">Please select one of the following options If you're calling about a booking you've just made, press 1 If
  you'd like to talk to us about your frequent flyer account, press 2 If you're trying to locate lost baggage, press 3
     <option value="booking" dtmf="1">Booking</option>
                                                                              In this case, the DTMF input mapping was assigned
     <option value="account" dtmf="2">Account</option>
                                                                              implicitly when we iterated through the menu options list
     <option value="baggage" dtmf="3">Baggage</option>
     <filled>
     </filled>
   </field>
 </form>
       return cfg;
```

#