



??? VoiceXML?

VoiceXML ??IBM?AT&T????????...???????VoiceXML (Voice eXtensible Markup Language)????????????????????  
????????????W3C?? VoiceXML ??????VoiceXML(Voice eXtensible Markup Language) ??????????????????????  
VoiceXML ???  
???????????? VoiceXML ???

???? VoiceXML?

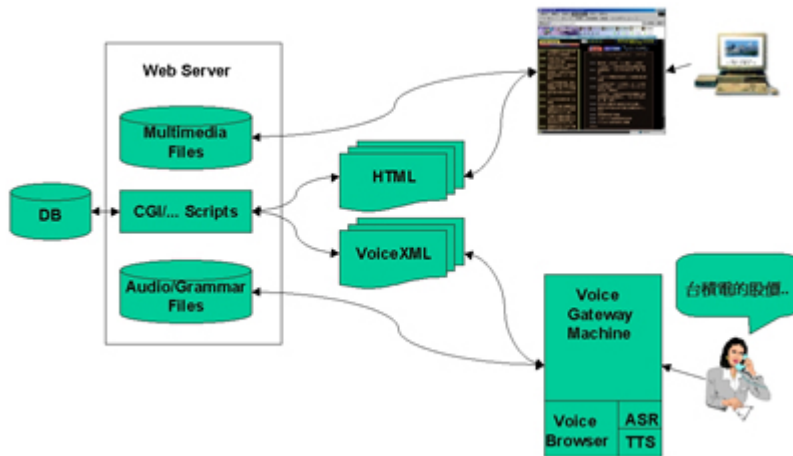
VoiceXML(Voice Extended Markup Language)??  
HTML??VoiceXML????????????

- \* ???(DTMF)??????
- \* ?????????????????
- \* ?????Internet????????????????PC??VoiceXML??HTML????????????Web Browser?
- \* ?????????????????????
- \* ??????(High Level)?????
- \* ??????(domain-specific)????????????

??VoiceXML??

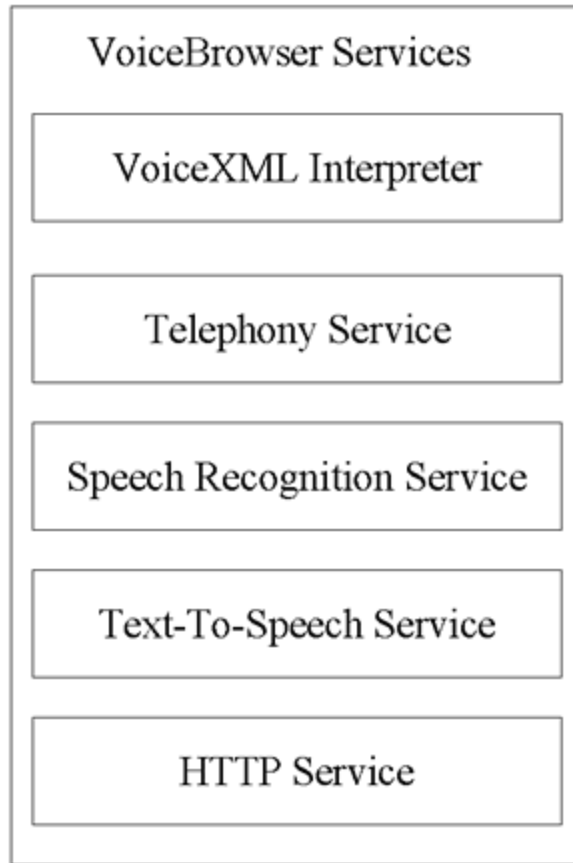
- \* ?????????????????????
- \* ?????????????????????????????????????
- \* ?????????????????
- \* ??????????????????(Personal Agent)?????????????(Personal Portal)??

?????VoiceXML?HTML?????????????????



VoiceXML ????

?? VoiceXML ???



**VoiceXML Interpreter**

VoiceXML Interpreter????VoiceXML????????????????XML Parser???VoiceXML????XML????????????  
JavaScript?VoiceXML????????????(element)????????????????

**Telephony Interface Service**

Telephony Interface Service????????????????????(Wait for Call)????(Audio Playback)????  
(Recording)????(DTMF)????????????????

**Speech Recognition Service**

Speech Recognition Service????????????????????VoiceXML????(Voice Dialog)????  
????VoiceXML????(Speech Grammar)????

**Text-To-Speech Service**

Text-To-Speech Service????????????????????VoiceXML????Markup Language????  
????

**HTTP Service**

HTTP Service????HTML browser????Submit??Request?HTTP Server???CGI????

**VoiceXML ????**

VoiceXML????HTML????????Web Server????XML????VoiceXML????  
VoiceXML????VoiceXML 1.0????VoiceXML????

reference to undefined name 'syntax' Exception of type

'MindTouch.Deki.Script.Runtime.DekiScriptUndefinedNameException' was thrown. (click for details)

????????????????????????????????????

C????????

U???

????????VoiceXML????????(encoding)????????????????(Dialog)??? (-form)????????TURN?VoiceXML??  
<field>????????????????? (<prompt>)????????????????(<grammar>)????<field>?????????????(<filled>)??????  
<submit>????????????????CGI????????????????????????????????????(field)?????????????(voice)????(DTMF)??????????  
????????????????????

????????????VoiceXML????????<menu>????????????????<menu>??????

reference to undefined name 'syntax' Exception of type

'MindTouch.Deki.Script.Runtime.DekiScriptUndefinedNameException' was thrown. (click for details)

????????????????????(<choice>)????????????????VoiceXML????????VoiceXML????????????????????????????????<form>?  
<menu>??VoiceXML???

????????????????VoiceXML????????(Computer Directed)????????(Mixed-directed)????????????????????VoiceXML???

<?>

C????????????

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**VoiceXML vs Asterisk**

?? Asterisk ??? VoiceXML????? [VoiceGlue](#) ???????????? Flite TTS engine, LumenVox engine(Speech Recognition) ??????????

VoiceXML ??? IVR ?????????????? VoiceXML ??? IVR ???

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- [http://dbmaker.syscom.com.tw/mag/69/coverstory\\_01.htm](http://dbmaker.syscom.com.tw/mag/69/coverstory_01.htm)
- <http://www.atc.itri.org.tw/content/m...l.asp?pid=41#d>