公有云引擎评测模式说明

一、语音评测公有云，各模式说明：

模式	用途	备注
A\B\C\D\E\G 模式	● A 模式：一般模式，**不细化至音素级别打分**，详细见【引擎评测 A 模式说明】； ● E 模式：推荐模式，**提供音素信息**，详细见【引擎评测 E 模式说明】； ● G 模式：专业模式，提供音素信息及打分，详细见【音频评测 G 模式说明】；	**非选择题模式**
H 模式	H = choice 主要用于语音选择题型， 输入文本为：A\nB\nC\nD 选项用"换行"隔开。	**选择题模式**

注：模式属于**兼容旧接口，后续会逐步收敛**，模式对评测得分无影响，影响 json 结构输出。

二、引擎评测 E 模式说明：

输入评测文本（sample 字段）为："How are you"，示例见结果字符串中黄底黑字部分；
用户音频读（usertext）："How are you how"，示例见结果字符串中蓝底黑字部分；
子项**和**文本为："How are you"，示例见结果字符串中红底黑字部分；

E 模式，保证 **子项和 = 输入文本**，且支持到音素信息。

```
{
    "version": "full 1.0",
    "lines": [
        {
            "sample": "How are you",
            "usertext": "How are you how",
            "begin": 0,
            "end": 1.261,
            "score": 64.951,
            "fluency": 80.938,
            "integrity": 100,
            "pronunciation": 86.899,
            "words": [
                {
                    "text": "How",
                    "type": 2,
                    "begin": 0.341,
                    "end": 0.691,
```

```json
                "volume": 9,
                "score": 8.833,
                "subwords": [
                        {
                                "subtext": "h",
                                "volume": 9,
                                "begin": 0.341,
                                "end": 0.521
                        },
                        {
                                "subtext": "aʊ",
                                "volume": 9,
                                "begin": 0.521,
                                "end": 0.691
                        }
                ]
        },
        {
                "text": " ",
                "type": 1,
                "begin": 0,
                "end": 0,
                "volume": 0,
                "score": 0,
                "subwords": []
        },
        {
                "text": "are",
                "type": 2,
                "begin": 0.691,
                "end": 0.821,
                "volume": 9,
                "score": 9.331,
                "subwords": [
                        {
                                "subtext": "ɑː",
                                "volume": 9,
                                "begin": 0.691,
                                "end": 0.731
                        },
                        {
                                "subtext": "r",
                                "volume": 9,
                                "begin": 0.731,
```

```
                              "end": 0.821
                          }
                      ]
                  },
                  {
                      "text": " ",
                      "type": 1,
                      "begin": 0,
                      "end": 0,
                      "volume": 0,
                      "score": 0,
                      "subwords": []
                  },
                  {
                      "text": "you",
                      "type": 2,
                      "begin": 0.821,
                      "end": 1.011,
                      "volume": 9,
                      "score": 8.264,
                      "subwords": [
                          {
                              "subtext": "j",
                              "volume": 9,
                              "begin": 0.821,
                              "end": 0.901
                          },
                          {
                              "subtext": "uː",
                              "volume": 9,
                              "begin": 0.901,
                              "end": 1.011
                          }
                      ]
                  }
              ]
          }
      ]
  }
}
```

三、引擎评测 A 模式说明：

a. 评测结果与顺序相关，如评测文本是："Nice to meet you"，用户读"meet"，评测强制顺序评测，识别结果为："Nice to meet"，其中"Nice to"子项分为低分或 0 分；

b. 不细化至音素级别打分；

```
{
  "lines":[
    {
      "begin":0,
      "end":1.741,
      "fluency":79.203,
      "integrity":100,
      "pronunciation":74.101,
      "sample":"nice to meet you",
      "score":74.356,
      "usertext":"nice to meet you",
      "words":[
        {
          "begin":0.081,
          "end":0.641,
          "score":4.004,
          "text":"sil",
          "type":4,
          "volume":1
        },
        {
          "StressOfWord":1,
          "begin":0.641,
          "end":0.931,
          "score":3.497,
          "text":"nice",
          "type":2,
          "volume":3.299
        },
        {
          "StressOfWord":1,
          "begin":0.931,
          "end":1.161,
          "score":9.169,
          "text":"to",
          "type":2,
          "volume":4.481
        },
        {
          "StressOfWord":1,
          "begin":1.161,
          "end":1.451,
```

```
            "score":8.056,
            "text":"meet",
            "type":2,
            "volume":3.394
          },
          {
            "StressOfWord":1,
            "begin":1.451,
            "end":1.731,
            "score":8.918,
            "text":"you",
            "type":2,
            "volume":4.138
          },
          {
            "begin":1.731,
            "end":1.741,
            "score":1.948,
            "text":"sil",
            "type":4,
            "volume":1
          }
        ]
      }
    ],
    "version":"full 1.0"
}
```

四、引擎评测 G 模式说明：

a.评测结果与 E 模式区别是：提供音素信息和音素打分，见下面实例<mark>红底黑字</mark>；

```
{
  "lines":[
    {
      "begin":0,
      "end":1.571,
      "fluency":83.021,
      "integrity":100,
      "pronunciation":75.86,
      "sample":"nice to meet you",
      "score":76.218,
      "usertext":"nice to meet you",
      "words":[
```

```json
{
    "begin":0.081,
    "end":0.401,
    "score":3.962,
    "subwords":[
        {
            "begin":0.081,
            "end":0.401,
            "subtext":"sil",
            "volume":1
        }
    ],
    "text":"sil",
    "type":4,
    "volume":1
},
{
    "StressOfWord":1,
    "begin":0.401,
    "end":0.781,
    "score":3.995,
    "subwords":[
        {
            "begin":0.401,
            "end":0.581,
            "score":7.754,
            "subtext":"n",
            "volume":5.154
        },
        {
            "begin":0.581,
            "end":0.651,
            "score":2.22,
            "subtext":"aɪ",
            "volume":2.192
        },
        {
            "begin":0.651,
            "end":0.781,
            "score":7.704,
            "subtext":"s",
            "volume":1.917
        }
    ],
```

```json
      "text":"nice",
      "type":2,
      "volume":3.087
   },
   {
      "StressOfWord":1,
      "begin":0.781,
      "end":0.971,
      "score":9.445,
      "subwords":[
         {
            "begin":0.781,
            "end":0.901,
            "score":9.416,
            "subtext":"t",
            "volume":4.624
         },
         {
            "begin":0.901,
            "end":0.971,
            "score":9.5,
            "subtext":"uː",
            "volume":5.894
         }
      ],
      "text":"to",
      "type":2,
      "volume":5.259
   },
   {
      "StressOfWord":1,
      "begin":0.971,
      "end":1.211,
      "score":8.287,
      "subwords":[
         {
            "begin":0.971,
            "end":1.051,
            "score":9.5,
            "subtext":"m",
            "volume":6.752
         },
         {
            "begin":1.051,
```

```json
          "end":1.111,
          "score":8.867,
          "subtext":"i:",
          "volume":2.373
        },
        {
          "begin":1.111,
          "end":1.211,
          "score":6.618,
          "subtext":"t",
          "volume":1.214
        }
      ],
      "text":"meet",
      "type":2,
      "volume":3.446
    },
    {
      "begin":1.211,
      "end":1.241,
      "score":1.892,
      "subwords":[
        {
          "begin":1.211,
          "end":1.241,
          "subtext":"sil",
          "volume":1.103
        }
      ],
      "text":"sil",
      "type":4,
      "volume":1.103
    },
    {
      "StressOfWord":1,
      "begin":1.241,
      "end":1.561,
      "score":8.617,
      "subwords":[
        {
          "begin":1.241,
          "end":1.381,
          "score":8.559,
          "subtext":"j",
```

```json
            "volume":4.762
          },
          {
            "begin":1.381,
            "end":1.561,
            "score":8.692,
            "subtext":"u:",
            "volume":2.432
          }
        ],
        "text":"you",
        "type":2,
        "volume":3.597
      },
      {
        "begin":1.561,
        "end":1.571,
        "score":1.962,
        "subwords":[
          {
            "begin":1.561,
            "end":1.571,
            "subtext":"sil",
            "volume":1
          }
        ],
        "text":"sil",
        "type":4,
        "volume":1
      }
    ]
  }
],
"version":"full 1.0"
}
```