

nextGPU调用API接口说明

一、任务发布

请求地址: <https://www.nextgpu.net/session/publish>

请求协议: POST

1: 一键去背景

请求包体:

```
1 {
2     "userName": "fxh7622",           // 用户名
3     "title": "一键去背景",          // 工作流名称
4     "inputType": "text",             // 生成去背景时使用text
5     "inputImageScaledRatio": 8,      // 计算实际pixel count/pixel count 基准值 倍率
6     "imageCount": 1,                 // 子任务数量（去背景时，请设置 1）
7     "imagePath": "2025/06",         // 图片在oss上保存的路径
8     "taskID": "nextGPU202508061454544488", //任务ID
9     "data": {
10         "parameters": {
11             "imageName": "https://www.nextgpu.net/images/1.jpg" // 图片url地址
12         }
13     }
14 }
```

返回包体:

```
1 {
2     "codeID": 200,
3     "msg": "success",
4     "session": "20250811141155680120",
5     "connect": "wss://www.nextgpu.net/ws/user/20250811141155680120",    // 监控状态的地
    址
6     "taskID": "nextGPU202508061454544488",    // 任务ID
7     "imageNum": 1,
8     "subs": [
9         {
10             "subID": "nextGPU202508061454544488_0001",    // 子任务ID
11             "initWaitCount": 0,    // 初始队列位置
12             "spareWaitCount": 0    // 剩余队列位置
13         }
14     ]
15 }
```

2：一键生成卡通画

请求包体：

```

1  {
2      "userName": "fxh7622",           // 用户名
3      "title": "一键生成卡通画",       // 工作流名称
4      "inputType": "text",             // 生成卡通图时使用text
5      "inputImageScaledRatio": 8,       // 计算实际pixel count/pixel count 基准值 倍率
6      "imageCount": 1,                 // 子任务数量（生成卡通图时，请设置 1）
7      "imagePath": "2025/06",          // 图片在oss上保存的路径
8      "taskID": "nextGPU20250806145458888", //任务ID
9      "data": {
10         "parameters": {
11             "promptText": "cartoon_1211, Cartoon style, American cartoon, 2D game
illustration,A cartoon movie poster", //描述词
12             "imageName": "https://www.nextgpu.net/images/1.jpg" //生成的图片URL地址
13         }
14     }
15 }

```

返回包体:

```

1  {
2      "codeID": 200,
3      "msg": "success",
4      "session": "20250811141703325995",
5      "connect": "wss://www.nextgpu.net/ws/user/20250811141703325995", // 监控状态的地址
6      "taskID": "nextGPU20250806145458888", // 任务ID
7      "imageNum": 1,
8      "subs": [
9         {
10             "subID": "nextGPU20250806145458888_0001",
11             "initWaitCount": 0,
12             "spareWaitCount": 0
13         }
14     ]
15 }

```

3: 万物图片转线稿

请求包体:

```
1 {
2     "userName": "fxh7622",           // 用户名
3     "title": "万物图片转线稿",       // 工作流名称
4     "inputType": "text",             // 生成卡通图时使用text
5     "inputImageScaledRatio": 8,       // 计算实际pixel count/pixel count 基准值 倍率
6     "imageCount": 1,                 // 生成的图片数量
7     "imagePath": "2025/06",          // 图片在oss上保存的路径
8     "taskID": "nextGPU20250806145456666", //任务ID
9     "data": {
10         "parameters": {
11             "imageName": "https://www.nextgpu.net/images/1.jpg" //生成的图片URL地址
12         }
13     }
14 }
```

返回包体:

```
1 {
2     "codeID": 200,
3     "msg": "success",
4     "session": "20250811142132090937",
5     "connect": "wss://www.nextgpu.net/ws/user/20250811142132090937",
6     "taskID": "nextGPU20250806145456666",
7     "imageNum": 1,
8     "subs": [
9         {
10             "subID": "nextGPU20250806145456666_0001",
11             "initWaitCount": 0,
12             "spareWaitCount": 0
13         }
14     ]
15 }
```

4: 替换头像

请求包体:

```
1 {
2     "userName": "fxh7622",          // 用户名
3     "title": "替换头像",            // 工作流名称
4     "inputType": "text",            // 生成替换头像时使用text
5     "inputImageScaledRatio": 8,      // 计算实际pixel count/pixel count 基准值 倍率
6     "imageCount": 1,                // 生成的图片数量
7     "imagePath": "2025/06",         // 图片在oss上保存的路径
8     "taskID": "nextGPU2025080723275400001", //任务ID
9     "data": {
10         "parameters": {
11             "imageName": "https://www.nextgpu.net/images/1.jpg" //生成的图片URL地址
12         }
13     }
14 }
```

返回包体:

```
1 {
2     "codeID": 200,
3     "msg": "success",
4     "session": "20250811142450774504",
5     "connect": "wss://www.nextgpu.net/ws/user/20250811142450774504",
6     "taskID": "nextGPU2025080723275400001",
7     "imageNum": 1,
8     "subs": [
9         {
10             "subID": "nextGPU2025080723275400001_0001",
11             "initWaitCount": 0,
12             "spareWaitCount": 0
13         }
14     ]
15 }
```

二、任务进度同步

协议地址: wss://www.nextgpu.net/ws/user/*** (任务发布返回数据中的connect字段)

请求协议: WebSocket

```
1 {
2     "messageID": 1,           // 协议标识 (同步任务进度)
3     "taskID": "nextGPU20250806145458888", // 主任务ID
4     "event": "SessionSync", // 同步消息类型
5     "tasks": [
6         {
7             "subID": "nextGPU20250806145458888_0001", // 子任务ID
8             "status": 3, // 任务状态
9             "initWaitCount": 0, // 初始队列位置
10            "spareWaitCount": 0, // 剩余队列位置
11            "publishTime": "2025-08-11 16:25:49.647", // 子任务发布时间
12            "startTime": "2025-08-11 16:25:50.211", // 子任务开始执行时间
13            "estimateMs": 21120000, // 预估消耗时间 (毫秒)
14            "endTime": "1970-01-01 08:00:00.000", // 子任务结束时间
15            "ossUrls": null // 生成后存放OSS的位置
16        }
17    ]
18 }
```

event: 同步消息类型 (SessionSync: 同步、GenerateStart: 推理开始、ImageGenerateSuccess: 推理成功、ImageGenerateFailed: 推理失败)

status: 任务状态 (0: 等待处理、1: 正在发布任务、2: 发布任务完成、3: 正在运行任务、4: 任务结束、5: 任务失败)

例如推理成功后的同步协议为:

```

1  {
2      "messageID": 1,
3      "taskID": "nextGPU20250806145458888",
4      "event": "ImageGenerateSuccess",
5      "status": 4,
6      "tasks": [
7          {
8              "subID": "nextGPU20250806145458888_0001",
9              "status": 4,
10             "initWaitCount": 0,
11             "spareWaitCount": 0,
12             "publishTime": "2025-08-11 16:25:49.647",
13             "startTime": "2025-08-11 16:25:50.210",
14             "estimateMs": 21120000,
15             "endTime": "2025-08-11 16:26:49.208",
16             "ossUrls": [
17                 "https://ngpu.oss-
accelerate.aliyuncs.com/2025/06/20250811082646517895.png"
18             ]
19         }
20     ]
21 }

```

三、查询任务

协议地址: <https://www.nextgpu.net/backend/getTask>

请求协议: POST

请求包体:

```

1  {
2      "taskID": "nextGPU20250812145015"
3  }

```

返回包体:

```
1  {
2      "codeId": 200,
3      "msg": "success",
4      "task": {
5          "taskId": "nextGPU20250812145015",
6          "session": "20250812145321741618",
7          "publishTime": "2025-08-12 06:53:22",
8          "completionTime": "2025-08-12 14:53:26",
9          "title": "一键去背景",
10         "input": "{\\"parameters\\":
11         {\\"imageName\\":\\"https://www.nextgpu.net/backend/20250812145320838277.png\\"}}",
12         "state": 3,  //状态（状态
13         0: 创建了任务
14         1: 任务中有子任务已经分发
15         2: 任务中有子任务正在处理任务
16         3: 任务完成
17         4: 任务失败）
18         "billMode": false,
19         "duration": 2269,
20         "subNum": 1,
21         "workspaceID": "nextGPU",
22         "generatedData": "{\\"3\\":{\\"_meta\\":{\\"title\\":\\"加载图像
23         \\",\\"class_type\\":\\"LoadImage\\",\\"inputs\\":
24         {\\"image\\":\\"https://www.nextgpu.net/backend/20250812145320838277.png\\"}},\\"30\\":
25         {\\"_meta\\":{\\"title\\":\\"保存图像\\"},\\"class_type\\":\\"SaveImage\\",\\"inputs\\":
26         {\\"filename_prefix\\":\\"a\\",\\"images\\":[\\"39\\",0]}}},\\"39\\":{\\"_meta\\":
27         {\\"title\\":\\"Inspyrenet Rembg\\"},\\"class_type\\":\\"InspyrenetRembg\\",\\"inputs\\":
28         {\\"image\\":[\\"3\\",0],\\"torchscript_jit\\":\\"default\\"}},\\"42\\":{\\"_meta\\":
29         {\\"title\\":\\"预览图像\\"},\\"class_type\\":\\"PreviewImage\\",\\"inputs\\":{\\"images\\":
30         [\\"44\\",0]}}},\\"44\\":{\\"_meta\\":{\\"title\\":\\"遮罩转换为图像
31         \\",\\"class_type\\":\\"MaskToImage\\",\\"inputs\\":{\\"mask\\":[\\"39\\",1]}}}}",
32         "startTime": "2025-08-12 14:53:23",
33         "delete": false,
34         "request": "{\\"userName\\":\\"fxh7622\\",\\"title\\":\\"一键去背景
35         \\",\\"inputImageScaledRatio\\":8,\\"imageCount\\":1,\\"imagePath\\":\\"2025/08\\",\\"taskId\\":\\"
36         nextGPU20250812145015\\",\\"data\\":{\\"parameters\\":
37         {\\"imageName\\":\\"https://www.nextgpu.net/backend/20250812145320838277.png\\"}}}",
38         "subTasks": [
39             {
40                 "subID": "nextGPU20250812145015_0001",
41                 "startTime": "2025-08-12 14:53:23",
42                 "endTime": "2025-08-12 14:53:26",
43                 "estimateTime": 2112000,
```



```

31         "input": "{\\"3\\":{\\"_meta\\":{\\"title\\":\\"加载图像\\",\\"class_type\\":\\"LoadImage\\",\\"inputs\\":{\\"image\\":\\"https://www.nextgpu.net/backend/20250812145320838277.png\\"}},\\"30\\":{\\"_meta\\":{\\"title\\":\\"保存图像\\"},\\"class_type\\":\\"SaveImage\\",\\"inputs\\":{\\"filename_prefix\\":\\"a\\",\\"images\\":[\\"39\\",0]}}},\\"39\\":{\\"_meta\\":{\\"title\\":\\"Inspyrenet Rembg\\"},\\"class_type\\":\\"InspyrenetRembg\\",\\"inputs\\":{\\"image\\":[\\"3\\",0],\\"torchscript_jit\\":\\"default\\"}},\\"42\\":{\\"_meta\\":{\\"title\\":\\"预览图像\\"},\\"class_type\\":\\"PreviewImage\\",\\"inputs\\":{\\"images\\":[\\"44\\",0]}}},\\"44\\":{\\"_meta\\":{\\"title\\":\\"遮罩转换为图像\\",\\"class_type\\":\\"MaskToImage\\",\\"inputs\\":{\\"mask\\":[\\"39\\",1]}}}}",

32         "systemUUID": "0e42ba87-0aaa-4b88-906d-7dfee899e976",

33         "state": 3,

34         "output": "{\\"68036a5b-291c-472b-b00b-447447aa62fe\\": {\\"prompt\\": [210, \\"68036a5b-291c-472b-b00b-447447aa62fe\\", {\\"3\\": {\\"_meta\\": {\\"title\\": \\"\\u52a0\\u8f7d\\u56fe\\u50cf\\"}, \\"class_type\\": \\"LoadImage\\", \\"inputs\\": {\\"image\\": \\"20250812065322501879.png\\"}}, \\"30\\": {\\"_meta\\": {\\"title\\": \\"\\u4fdd\\u5b58\\u56fe\\u50cf\\"}, \\"class_type\\": \\"SaveImage\\", \\"inputs\\": {\\"filename_prefix\\": \\"a\\", \\"images\\": [\\"39\\", 0]}}}, \\"39\\": {\\"_meta\\": {\\"title\\": \\"Inspyrenet Rembg\\"}, \\"class_type\\": \\"InspyrenetRembg\\", \\"inputs\\": {\\"image\\": [\\"3\\", 0], \\"torchscript_jit\\": \\"default\\"}}, \\"42\\": {\\"_meta\\": {\\"title\\": \\"\\u9884\\u89c8\\u56fe\\u50cf\\"}, \\"class_type\\": \\"PreviewImage\\", \\"inputs\\": {\\"images\\": [\\"44\\", 0]}}}, \\"44\\": {\\"_meta\\": {\\"title\\": \\"\\u906e\\u7f69\\u8f6c\\u6362\\u4e3a\\u56fe\\u50cf\\"}, \\"class_type\\": \\"MaskToImage\\", \\"inputs\\": {\\"mask\\": [\\"39\\", 1]}}}, {\\"client_id\\": \\"80679673-d6db-4360-9afe-556801b6aa19\\", [\\"30\\", \\"42\\"]], \\"outputs\\": {\\"30\\": {\\"images\\": [{\\"filename\\": \\"a_00001.png\\", \\"subfolder\\": \\"\\", \\"type\\": \\"output\\"}]}, \\"42\\": {\\"images\\": [{\\"filename\\": \\"ComfyUI_temp_oqpuh_00001.png\\", \\"subfolder\\": \\"\\", \\"type\\": \\"temp\\"}]}}}, \\"status\\": {\\"status_str\\": \\"success\\", \\"completed\\": true, \\"messages\\": [{\\"execution_start\\", {\\"prompt_id\\": \\"68036a5b-291c-472b-b00b-447447aa62fe\\", \\"timestamp\\": 1754981603440}], [\\"execution_cached\\", {\\"nodes\\": [], \\"prompt_id\\": \\"68036a5b-291c-472b-b00b-447447aa62fe\\", \\"timestamp\\": 1754981603476}], [\\"execution_success\\", {\\"prompt_id\\": \\"68036a5b-291c-472b-b00b-447447aa62fe\\", \\"timestamp\\": 1754981605709}]]}, \\"meta\\": {\\"30\\": {\\"node_id\\": \\"30\\", \\"display_node\\": \\"30\\", \\"parent_node\\": null, \\"real_node_id\\": \\"30\\"}, \\"42\\": {\\"node_id\\": \\"42\\", \\"display_node\\": \\"42\\", \\"parent_node\\": null, \\"real_node_id\\": \\"42\\"}}}}",

35         "workspaceID": "nextGPU",

36         "publishTime": "2025-08-12 14:53:23",

37         "urls": "https://ngpu.oss-accelerate.aliyuncs.com/2025/08/20250812065326068145.png",

38         "ossDuration": "5847",

39         "ossSize": 920121,

40         "inferenceDuration": 2269,

41         "createTime": "2025-08-12 06:53:22",

42         "retryCount": 0,

43         "errorNodes": "",

44         "delete": false,

45         "failureReason": ""

46     }

47 ]

```

48 }

49 }