

```

{
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  "displayName": "hello-world-20231022164025",
  "createTime": "2023-10-22T16:40:27.110594Z",
  "startTime": "2023-10-22T16:41:43.321919Z",
  "endTime": "2023-10-22T16:45:09.620527Z",
  "updateTime": "2023-10-22T16:45:09.620527Z",
  "pipelineSpec": {
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            "image": "python:3.9",
            "command": [
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              "\nif ! [ -x \"$(command -v pip)\" ]; then\n    python3 -m ensurepip || python3 -m ensurepip\n--user || apt-get install python3-pip\nfi\n\nPIP_DISABLE_PIP_VERSION_CHECK=1 python3 -m pip install --\nquiet --no-warn-script-location 'kfp==1.8.22' && \"${0}\" \"${@}\"",
              "sh",
              "-ec",
              "program_path=$(mktemp -d)\nprintf \"%s\" \"${0}\" >\n\"$program_path/ephemeral_component.py\"\npython3 -m kfp.v2.components.executor_main\n--component_module_path\n\"$program_path/ephemeral_component.py\"\n\"${0}\"",
              "\nimport kfp\nfrom kfp.v2 import dsl\nfrom kfp.v2.dsl import *\nfrom typing import *\n\ndef\nbuild_sentence(\n    product: str,\n    emoji: str,\n    emotext: str\n) -> str:\n    print(\"We\ncompleted the pipeline, hooray!\")\n    end_str = product + \" is \"\n    if len(emoji) > 0:\n        end_str += emoji\n    else:\n        end_str += emotext\n    return(end_str)\n\n",
            ],
            "args": [
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              "{{{}}}",
              "--function_to_execute",
              "build_sentence"
            ]
          }
        },
        "exec-emoji": {
          "container": {
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              "\nif ! [ -x \"$(command -v pip)\" ]; then\n    python3 -m ensurepip || python3 -m ensurepip\n--user || apt-get install python3-pip\nfi\n\nPIP_DISABLE_PIP_VERSION_CHECK=1 python3 -m pip install --\nquiet --no-warn-script-location 'emoji' 'kfp==1.8.22' && \"${0}\" \"${@}\"",
              "sh",
              "-ec",
              "program_path=$(mktemp -d)\nprintf \"%s\" \"${0}\" >\n\"$program_path/ephemeral_component.py\"\npython3 -m kfp.v2.components.executor_main\n--component_module_path\n\"$program_path/ephemeral_component.py\"\n\"${0}\"",
              "\nimport kfp\nfrom kfp.v2 import dsl\nfrom kfp.v2.dsl import *\nfrom typing import *\n\ndef\nemoji(\n    text: str,\n) -> NamedTuple(\n    \"Outputs\", \n    [\n        (\"emoji_text\", str), #\n    ]\n)\nReturn parameters\n    (\"emoji\", str), \n    ], \n): \n    import emoji\n    emoji_text = text\n    emoji_str = emoji.emojize(':' + emoji_text + ':', language='alias')\n    print(\"output one: {};\noutput two: {}\".format(emoji_text, emoji_str))\n    return (emoji_text, emoji_str)\n\n",
            ],
            "args": [
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              "{{{}}}",
              "--function_to_execute",
              "emoji"
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        "\nif ! [ -x \"$(command -v pip)\" ]; then\n    python3 -m ensurepip || python3 -m ensurepip
--user || apt-get install python3-pip\nfi\n\nPIP_DISABLE_PIP_VERSION_CHECK=1 python3 -m pip install --
quiet --no-warn-script-location 'kfp==1.8.22' && \"\$0\" \"\$@\" \n",
        "sh",
        "-ec",
        "program_path=$(mktemp -d)\nprintf \"%s\" \"\$0\" >
\"$program_path/ephemeral_component.py\"\npython3 -m kfp.v2.components.executor_main
--component_module_path\n\"$program_path/ephemeral_component.py\"
\"$@\" \n",
        "\nimport kfp\nfrom kfp.v2 import dsl\nfrom kfp.v2.dsl import *\nfrom typing import *\n\ndef
product_name(text: str) -> str:\n    return text\n\n"
    ],
    "args": [
        "--executor_input",
        "{{{}}}",
        "--function_to_execute",
        "product_name"
    ]
}
}
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                },
                "emojitext": {
                    "type": "STRING"
                },
                "product": {
                    "type": "STRING"
                }
            }
        },
        "outputDefinitions": {
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                }
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    },
    "comp-emoji": {
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            }
        },
        "outputDefinitions": {
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                "emoji_text": {
                    "type": "STRING"
                }
            }
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      "executorLabel": "exec-product-name"
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        },
        "inputs": {
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                "outputParameterKey": "emoji"
              }
            }
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          "emojitext": {
            "taskOutputParameter": {
              "producerTask": "emoji",
              "outputParameterKey": "emoji_text"
            }
          }
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        "product": {
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            "producerTask": "product-name",
            "outputParameterKey": "Output"
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      }
    },
    "dependentTasks": [
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    },
    "componentRef": {
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    }
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    "inputs": {
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    },
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    },
    "cachingOptions": {
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          "\nif ! [ -x \"$(command -v pip)\" ]; then\n    python3 -m ensurepip || python3 -m ensurepip\n--user || apt-get install python3-pip\nfi\n\nPIP_DISABLE_PIP_VERSION_CHECK=1 python3 -m pip install --\nquiet --no-warn-script-location 'kfp==1.8.22' && \"${0}\" \"${@}\"\",
          "sh",
          "-ec",
          "program_path=$(mktemp -d)\nprintf \"%s\" \"${0}\" >\n\"$program_path/ephemeral_component.py\"\npython3 -m kfp.v2.components.executor_main\n--component_module_path\n\"$program_path/ephemeral_component.py\"\n\"${@}\"\",
          "\nimport kfp\nfrom kfp.v2 import dsl\nfrom kfp.v2.dsl import *\nfrom typing import *\n\ndef\nbuild_sentence(\n    product: str,\n    emoji: str,\n    emoji_text: str\n) -> str:\n    print(\"We\ncompleted the pipeline, hooray!\")\n    end_str = product + \" is \"\n    if len(emoji) > 0:\n        end_str += emoji\n    else:\n        end_str += emoji_text\n    return(end_str)\n\n"
        ]
      },
      "args": [
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        "${{}}",
        "--function_to_execute",
        "build_sentence"
      ]
    }
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  "exec-emoji": {
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        "-c",
        "\nif ! [ -x \"$(command -v pip)\" ]; then\n    python3 -m ensurepip || python3 -m ensurepip\n--user || apt-get install python3-pip\nfi\n\nPIP_DISABLE_PIP_VERSION_CHECK=1 python3 -m pip install --\nquiet --no-warn-script-location 'emoji' 'kfp==1.8.22' && \"${0}\" \"${@}\"\",
        "sh",
        "-ec",
        "program_path=$(mktemp -d)\nprintf \"%s\" \"${0}\" >\n\"$program_path/ephemeral_component.py\"\npython3 -m kfp.v2.components.executor_main\n--component_module_path\n\"$program_path/ephemeral_component.py\"

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\${@}\n",
    "\nimport kfp\nfrom kfp.v2 import dsl\nfrom kfp.v2.dsl import *\nfrom typing import *\n\ndef
emoji(\n    text: str,\n) -> NamedTuple(\n    \n    "Outputs",\n    \n    [(\n        "emoji_text", str), #
Return parameters\n        (\n            "emoji", str),\n        ],\n    ):\n    \n    import emoji\n    \n    emoji_text = text\n    emoji_str = emoji.emojize(': ' + emoji_text + ':', language='alias')\n    print("\noutput one: {};\noutput_two: {}".format(emoji_text, emoji_str))\n    return (emoji_text, emoji_str)\n\n",
    ],
    "args": [
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        "{{{}}}",
        "--function_to_execute",
        "emoji"
    ]
},
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    "exec-product-name": {
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--user || apt-get install python3-pip\nfi\n\nPIP_DISABLE_PIP_VERSION_CHECK=1 python3 -m pip install --
quiet --no-warn-script-location 'kfp==1.8.22' && \"${@}\n\n",
                "sh",
                "-ec",
                "program_path=$(mktemp -d)\nprintf \"%s\" \"${@}\n\n" >
                "${program_path}/ephemeral_component.py"\npython3 -m kfp.v2.components.executor_main
--component_module_path
                "${program_path}/ephemeral_component.py"
            ]
        },
        "\nimport kfp\nfrom kfp.v2 import dsl\nfrom kfp.v2.dsl import *\nfrom typing import *\n\ndef
product_name(text: str) -> str:\n    return text\n\n",
        ],
        "args": [
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            "{{{}}}",
            "--function_to_execute",
            "product_name"
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            "schemaTitle": "system.Pipeline",
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            "metadata": {}
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20231022164025",
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      "displayName": "hello-world-20231022164025",
      "instanceSchemaTitle": "system.Run",
      "state": "COMPLETE",
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        },
        "input:emoji_str": {
          "stringValue": "sparkles"
        }
      },
      "etag": "1697993109572",
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      "updateTime": "2023-10-22T16:45:09.572Z",
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      "schemaVersion": "0.0.1",
      "metadata": {
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        "input:text": "Vertex Pipelines"
      }
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        "state": "SUCCEEDED"
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      }
    },
    "state": "SUCCEEDED",
    "execution": {
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      "displayName": "emoji",
      "instanceSchemaTitle": "system.ContainerExecution",
      "state": "COMPLETE",
      "customProperties": {
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        },
        "output:emoji": {
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        },
        "output:emoji_text": {
          "stringValue": "sparkles"
        }
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      "etag": "1697993006597",
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      "updateTime": "2023-10-22T16:43:26.597Z",
      "schemaTitle": "system.ContainerExecution",
      "schemaVersion": "0.0.1",
      "metadata": {
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      "input:text": "sparkles"
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      "state": "SUCCEEDED"
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{
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  "state": "SUCCEEDED",
  "execution": {
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    "displayName": "product-name",
    "instanceSchemaTitle": "system.ContainerExecution",
    "state": "COMPLETE",
    "customProperties": {
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        "stringValue": "Vertex Pipelines"
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      "input:text": {
        "stringValue": "Vertex Pipelines"
      }
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      "output:Output": "Vertex Pipelines"
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    }
  },
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  "execution": {
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    "displayName": "build-sentence",
    "instanceSchemaTitle": "system.ContainerExecution",
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      "customProperties": {
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          "stringValue": "💎"
        },
        "output:Output": {
          "stringValue": "Vertex Pipelines is 💎"
        },
        "input:product": {
          "stringValue": "Vertex Pipelines"
        },
        "input:emojitext": {
          "stringValue": "sparkles"
        }
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      "schemaTitle": "system.ContainerExecution",
      "schemaVersion": "0.0.1",
      "metadata": {
        "input:emojitext": "sparkles",
        "input:emoji": "💎",
        "input:product": "Vertex Pipelines",
        "output:Output": "Vertex Pipelines is 💎"
      }
    },
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        "state": "SUCCEEDED"
      }
    ]
  }
],
},
"labels": {
  "vertex-ai-pipelines-run-billing-id": "8289784960047382528"
},
"runtimeConfig": {
  "parameters": {
    "emoji_str": {
      "stringValue": "sparkles"
    },
    "text": {
      "stringValue": "Vertex Pipelines"
    }
  },
  "gcsOutputDirectory": "gs://qwiklabs-gcp-03-0f91e49b4fd6-bucket/pipeline_root/"
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  "sdkVersion": "kfp-1.8.22",
  "schemaVersion": "2.0.0",
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    "comp-build-sentence": {
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          "emojitext": {
            "type": "STRING"
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          "product": {
            "type": "STRING"
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        }
      }
    }
  },
  "outputDefinitions": {
    "parameters": {
      "Output": {

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      "type": "STRING"
    }
  },
  "executorLabel": "exec-build-sentence"
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"comp-emoji": {
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  "outputDefinitions": {
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    }
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}
},
"root": {
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      "text": {
        "type": "STRING"
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  "dag": {
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        "inputs": {
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            "emoji": {
              "taskOutputParameter": {
                "producerTask": "emoji",
                "outputParameterKey": "emoji"
              }
            },
            "emojitext": {
              "taskOutputParameter": {
                "producerTask": "emoji",
                "outputParameterKey": "emoji_text"
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}

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    },
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        "producerTask": "product-name",
        "outputParameterKey": "Output"
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  },
  "dependentTasks": [
    "emoji",
    "product-name"
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  "cachingOptions": {
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  "componentRef": {
    "name": "comp-build-sentence"
  }
},
"emoji": {
  "taskInfo": {
    "name": "emoji"
  },
  "inputs": {
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        "componentInputParameter": "emoji_str"
      }
    }
  },
  "cachingOptions": {
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},
"product-name": {
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      }
    }
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  },
  "componentRef": {
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  }
}
}
}
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"uiPipelineDeploymentConfig": {
  "executors": {
    "exec-build-sentence": {
      "container": {
        "image": "python:3.9",
        "command": [
          "sh",
          "-c",
          "\nif ! [ -x \"$(command -v pip)\" ]; then\n    python3 -m ensurepip || python3 -m ensurepip -\n-user || apt-get install python3-pip\nfi\n\nPIP_DISABLE_PIP_VERSION_CHECK=1 python3 -m pip install --quiet\n--no-warn-script-location 'kfp==1.8.22' && \"$0\" \"$@\"\n",
          "sh",
          "-ec",
          "program_path=$(mktemp -d)\nprintf \"%s\" \"$0\" >

```

```

\"$program_path/ephemeral_component.py\"\\npython3 -m kfp.v2.components.executor_main
--component_module_path                \"$program_path/ephemeral_component.py\"
\"$@\"\\n\",
    \"\\nimport kfp\\nfrom kfp.v2 import dsl\\nfrom kfp.v2.dsl import *\\nfrom typing import *\\n\\ndef
build_sentence(\\n    product: str,\\n    emoji: str,\\n    emoji_text: str\\n) -> str:\\n    print(\\\"We
completed the pipeline, hooray!\\\")\\n    end_str = product + \\\" is \\\"\\n    if len(emoji) > 0:\\n
end_str += emoji\\n    else:\\n        end_str += emoji_text\\n    return(end_str)\\n\\n\"
    ],
    \"args\": [
        \"--executor_input\",
        \"{{}}\",
        \"--function_to_execute\",
        \"build_sentence\"
    ]
}
},
\"exec-emoji\": {
    \"container\": {
        \"image\": \"python:3.9\",
        \"command\": [
            \"sh\",
            \"-c\",
            \"\\nif ! [ -x \\\"$(command -v pip)\\\" ]; then\\n    python3 -m ensurepip || python3 -m ensurepip -
-user || apt-get install python3-pip\\nfi\\n\\nPIP_DISABLE_PIP_VERSION_CHECK=1 python3 -m pip install --quiet
--no-warn-script-location 'emoji' 'kfp==1.8.22' && \\\"$0\\\" \\\"$@\\\"\\n\",
            \"sh\",
            \"-ec\",
            \"program_path=$(mktemp -d)\\nprintf \\\"%s\\\" \\\"$0\\\" >
\"$program_path/ephemeral_component.py\"\\npython3 -m kfp.v2.components.executor_main
--component_module_path                \"$program_path/ephemeral_component.py\"
\"$@\"\\n\",
            \"\\nimport kfp\\nfrom kfp.v2 import dsl\\nfrom kfp.v2.dsl import *\\nfrom typing import *\\n\\ndef
emoji(\\n    text: str,\\n) -> NamedTuple(\\n    \\\"Outputs\\\",\\n    [\\n        (\\\"emoji_text\\\", str), #
Return parameters\\n        (\\\"emoji\\\", str),\\n    ],\\n):\\n    import emoji\\n\\n    emoji_text = text\\n
emoji_str = emoji.emojize(': ' + emoji_text + ': ', language='alias')\\n    print(\\\"output one: {}\\");
output_two: {}\\\".format(emoji_text, emoji_str))\\n    return (emoji_text, emoji_str)\\n\\n\"
        ],
        \"args\": [
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            \"{{}}\",
            \"--function_to_execute\",
            \"emoji\"
        ]
    }
},
\"exec-product-name\": {
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        \"command\": [
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            \"-c\",
            \"\\nif ! [ -x \\\"$(command -v pip)\\\" ]; then\\n    python3 -m ensurepip || python3 -m ensurepip -
-user || apt-get install python3-pip\\nfi\\n\\nPIP_DISABLE_PIP_VERSION_CHECK=1 python3 -m pip install --quiet
--no-warn-script-location 'kfp==1.8.22' && \\\"$0\\\" \\\"$@\\\"\\n\",
            \"sh\",
            \"-ec\",
            \"program_path=$(mktemp -d)\\nprintf \\\"%s\\\" \\\"$0\\\" >
\"$program_path/ephemeral_component.py\"\\npython3 -m kfp.v2.components.executor_main
--component_module_path                \"$program_path/ephemeral_component.py\"
\"$@\"\\n\",
            \"\\nimport kfp\\nfrom kfp.v2 import dsl\\nfrom kfp.v2.dsl import *\\nfrom typing import *\\n\\ndef
product_name(text: str) -> str:\\n    return text\\n\\n\"
        ],
        \"args\": [
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            \"{{}}\",
            \"--function_to_execute\",
            \"product_name\"
        ]
    }
}
}
},
}
},
}

```

```
"serviceAccount": "780638309579-compute@developer.gserviceaccount.com"  
}
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