

ubuntu@ip-172-31-20-53:~/challenge2/challenge2/ec2-metadata-json/src\$ python3 get\_fullmetadata.py

```
{
  "meta-data": {
    "ami-id": "ami-0fb653ca2d3203ac1",
    "ami-launch-index": 0,
    "ami-manifest-path": "(unknown)",
    "block-device-mapping": {
      "ami": "/dev/sda1",
      "root": "/dev/sda1"
    },
    "events": {
      "maintenance": {
        "history": [],
        "scheduled": []
      }
    },
    "hibernation": {
      "configured": false
    },
    "hostname": "ip-172-31-20-53.us-east-2.compute.internal",
    "iam": {
      "info": {
        "Code": "Success",
        "InstanceProfileArn": "arn:aws:iam:614098611678:instance-profile/kpmgtestrole",
        "InstanceProfileId": "AIPAY56ZBFXP0IH1647M3",
        "LastUpdated": "2022-01-05T09:58:59Z"
      },
      "security-credentials": {
        "kpmgtestrole": {
          "AccessKeyId": "ASIAYS6ZBFXPPL4BJ0XZ",
          "Code": "Success",
          "Expiration": "2022-01-05T16:17:56Z",
          "LastUpdated": "2022-01-05T09:58:49Z",
          "SecretAccessKey": "9fC8muALX08tM0mIF0D4/ibUFxyb4CZnAKezn4ok",
          "Token": "IQoJb3p2Z2luX2VjEIL////////wEaCXVzLWVhc3QtMiJHMEUCIHRpQ14toUzLW8FxAJ5s0bc3FIlo3WKMeSzyyJII43XAIEA8YydbKuAGLqF4dvbuFXAXFeFvkYdZ9MuJAyffrS0IqgwQI1//
          ARAAGgwZMTQwOTg2MTE2Nzg1D0xyYyvoSmK23YAzJSrXA3Cu/zYW/+JGmZw0yh8aqyUCFA2joWGIHqtTwdWq7rXFLB+C5ru0ghJgJjXZG/gCDNJx0BB+tPlQqw2yq0ZWoI1ubZoAKK9LSRYa6Ai/fAJQuKG31ULMVQJ9p0JCJb5
          FaM1LYheHdgJZ1oELYhaIGTbbabEuFb816r+/c0YsupFRr3q77B2XAAwLw9M79wV5omS3G+dC1166cNLFm1VyGgin4junnNRTe1CVsA1BwivejU0iW/XLakV9m6HeUFR0B/FK1ZorGW/qA0fsYMBiQmor9B0TKgPtKEPewDD59stlqcDA
          WuQsMP0u4xPLu+0zfsPKPREVnEAjcr42UaWujTTLtLovP/sVuxJUK6KTNUJED5zvsY3fq0/0MrZkzuxB5D1InnvJmecES29p/C0zk3Bx5GzEwTIb13MMKtsoXNRY0UhfZaTsLy92XzGYQKXLRs0T09k4Tp40Kc5GxAYleNl9giBA1UsIc91
          nYHcqTLr3pqPYJizrsRmVXFt8378py732JkxJAC2pnqz3/kdFgwzPhdWI07Pm4BddWzSvbLynnOkcFm5XszsS9uvT9eb15CJoG0GmxsL0upRZSsHvZpDjW50jua/WYQ0wyINCXxEjDj19W0BjqLAUTZQ+c19uncB1csATpx833L7mLvG02
          y8+RmJZb7pS8398IaPsXP7bYmWjEuCBeydF4LJ4wF+c1Pps9z0N9ANQD/F/q/sJ0JhhEnhg7+7L0vD8rf+q//wt2JfUjYwvabvQJj09G6a1MUrTeY7/y2adpB5or1Xg5prJ3CF9v6R65toNd+a6Pxpkhk+UmG5R/rNnaEFdVEqRnP9fz3U/c
          LzAwVUHFAA==",
          "Type": "AWS-HMAC"
        }
      }
    },
    "identity-credentials": {
      "ec2": {
        "info": {
          "AccountId": "614098611678",
          "Code": "Success",
          "LastUpdated": "2022-01-05T09:58:38Z"
        },
        "security-credentials": {
          "ec2-instance": {
            "AccessKeyId": "ASIAYS6ZBFXPAHVZF6CE",
            "Code": "Success",
            "Expiration": "2022-01-05T16:00:46Z",
            "LastUpdated": "2022-01-05T09:58:10Z",
            "SecretAccessKey": "Gga5EeailLtsJKTM6lw3zwD3anAYfueAa58GFa",
            "Token": "IQoJb3p2Z2luX2VjEIL////////wEaCXVzLWVhc3QtMiJHMEUCIHR0e9VpYzT5+DkVg0h1XvUHF0Q12y/FcL7LbgE1CTzAiEATZtb6tTq7d4cfMBYVDBvA/qmUz1GkEe2db/E1QuZ7GQq2QM
            I1////////ARAAGgwZMTQwOTg2MTE2Nzg1D0NryJzF5Va20TJDSPXigtA9IGC40LXlu88D912SAH327wSyXdfGxdTH8yvd0bpvQ0sU0U8X0k2f+f/Xwj1i1ATmL6mDyT+0NKEp1Adq0XTQMYAZATohJwoLfkCwDI1N4Vj+VL0fm8zhFNjL
            kggZiegTzHJk2ae9qGnQVHdPF45Xaatx82kcuN1H4MywHUqny7mgRPFake4mJ40cHHEzGVUG6Q0v3N4q8JQ6GaY6B8las40tI5AAUM5LDInm+QqYahR1XvMmTaG1pf/gqhXt6nRx338qmIdLpnvzL57GRT1FXbg76yu0uGynCwDLrZTRM
            YD4+BDD3yfwg/ErHeeBwtQ5cK7YVuJDRgM0VNFy+nhvC8A46gUDAD8ndpoFQnKTLsH0Q/F4JTS58E7JXtdqLxXJ53CB3do+qYo1+Yptfa400/J95sHpJuReusn10+41+BNo3nt0Fkrs6h8lnc7VkjHERW9Djgdbu1J1rf6LSUekgokoLCZgY4
            01akFmN16AZoeP7C35o0zFUG3rY5YtzuMhJ2BCKtxFLPA1akoTdv9Hxj938btTLd4wzF113bHMKZrBDEguC/B3KDD119W0BJqAs6HBHJBU8H4Z8lxHgkZm4Rw8BPsn6917fWwJworaTIhBiqdQsfDH6c7Dm0nakFTmQe/Zz17r0TagawYUna
            sx04ACQ/VK6G++yev+UvjQW84Tn8Rd+exW1zdrtJk/cCQ0q9xsk9w/LsBDA4W/o2ER0+UvZyo7m1dnR08/R6z6XDLDL1uaqfeYJgww08TDgN1G9fBmJrmJqYDdbWZuZth5wccou4L/eJcYVH4Q1Sf8dW3F0MhdT0Jat7yKRU6XCoIQ0TLv
            g2ht/Xmjoeuoby3BMD0CLzqSAQdnvSPu8LnAGKjTZhLAZHTnqhSHLdfm7rJ0X+LpXhJNjtySP5cX5cp5hjh6H6lohwLYA==",
            "Type": "AWS-HMAC"
          }
        }
      }
    },
    "instance-action": "none",
    "instance-id": "i-05a8729d570c844de",
    "instance-life-cycle": "on-demand",
    "instance-type": "t2.micro",
    "local-hostname": "ip-172-31-20-53.us-east-2.compute.internal",
    "local-ipv4": "172.31.20.53",
    "mac": "06:f5:56:79:df:b8",
    "metrics": {
      "vhostmd": "<?xml version='1.0' encoding='UTF-8'?>"
    },
    "network": {
      "interfaces": {
        "macs": {
          "06:f5:56:79:df:b8": {
            "device-number": 0,
            "interface-id": "eni-0740184678cc36d2b",
            "ipv4-associations": {
              "3.144.225.72": "172.31.20.53"
            },
            "local-hostname": "ip-172-31-20-53.us-east-2.compute.internal",
            "local-ipv4s": "172.31.20.53",
            "mac": "06:f5:56:79:df:b8",
            "owner-id": "614098611678",
            "public-hostname": "ec2-3-144-225-72.us-east-2.compute.amazonaws.com",
            "public-ipv4s": "3.144.225.72",
            "security-group-ids": "sg-0727aa6e20a52145b",
            "security-groups": "kpmg-challenge-SG",
            "subnet-id": "subnet-0b74ab90f53dc7d7c",
            "subnet-ipv4-cidr-block": "172.31.16.0/20",
            "vpc-id": "vpc-012ac32c2f64d84a6",
            "vpc-ipv4-cidr-block": "172.31.0.0/16",
            "vpc-ipv4-cidr-blocks": "172.31.0.0/16"
          }
        }
      }
    },
    "placement": {
      "availability-zone": "us-east-2b",
      "availability-zone-id": "use2-az2",
      "region": "us-east-2"
    },
    "profile": "default-hvm",
    "public-hostname": "ec2-3-144-225-72.us-east-2.compute.amazonaws.com",
    "public-ipv4": "3.144.225.72",
    "public-keys": {
      "0-kpmgchallenge": "<?xml version='1.0' encoding='iso-8859-1'?><!\DOCTYPE html PUBLIC \"-//W3C//DTD XHTML 1.0 Transitional//EN\"><http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd><html xmlns='http://www.w3.org/1999/xhtml' xml:lang='en' lang='en'><head><title>404 - Not Found</title></head><body><h1>404 - No
      t Found</h1></body></html></html>"
    },
    "reservation-id": "r-0d55463aa0689d148",
    "security-groups": "kpmg-challenge-SG",
    "services": {
      "domain": "amazonaws.com",
      "partition": "aws"
    }
  }
}
```

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