







- >  guardduty__whitelist_ip
- >  iam__backdoor_assume_role
- >  iam__backdoor_users_keys
- >  iam__backdoor_users_password
- >  iam__bruteforce_permissions
- >  iam detect honeytokens

```
37
58     def write_temp(data):
59         with TEMP_FILE.open('w') as outfile:
60             json.dump(data, outfile, default=str)
61
62
63     def cleanup(pacu):
64         data = read_temp()
65         success = True
66         for instance in data['Instances']:
67             client = pacu.get_boto3_client('rds', data['Instances'][instance]['Availability
68             if not delete_instance(client, instance, pacu.print):
69                 success = False
70         for snapshot in data['Snapshots']:
71             client = pacu.get_boto3_client('rds', data['Snapshots'][snapshot]['Availability
72             if not delete_snapshot(client, snapshot, pacu.print):
73                 success = False
74         return success
75
76
77     def main(args, pacu):
78         """Main module function, called from Pacu"""
79         args = parser.parse_args(args)
80         if args.regions:
81             regions = args.regions.split(',')
82         else:
83             regions = pacu.get_regions('rds')
84         if not cleanup(pacu):
85             if pacu.input(' Cleanup Failed. Continue? (y/n) ') != 'y':
86                 return {'fail': 'Failed to delete temporary data.'}
87         summary_data = {'instances': 0}
88         for region in regions:
89             pacu.print('Region: {}'.format(region))
90             client = pacu.get_boto3_client('rds', region)
91             pacu.print(' Getting RDS instances...')
92             active_instances = get_all_region_instances(client, pacu.print)
93             pacu.print(' Found {} RDS instance(s)'.format(len(active_instances)))
94             for instance in active_instances:
95                 prompt = ' Target: {} (y/n)? '.format(instance['DBInstanceIdentifier'])
96                 if pacu.input(prompt).lower() != 'y':
97                     continue
98                 pacu.print(' Creating temporary snapshot...')
99                 temp_snapshot = create_snapshot_from_instance(client, instance, pacu.print)
100             if not temp_snapshot:
101                 pacu.print(' Failed to create temporary snapshot')
102                 continue
103
104             pacu.print(' Restoring temporary instance from snapshot...')
105             temp_instance = restore_instance_from_snapshot(client, temp_snapshot, pacu.
106             if not temp_instance:
107                 pacu.print(' Failed to create temporary instance')
108                 delete_snapshot(client, temp_snapshot, pacu.print)
109                 continue
110
111             process_instance(pacu, client, temp_instance)
112
113             pacu.print(' Deleting temporary resources...')
114             delete_instance(client, temp_instance, pacu.print)
115             delete_snapshot(client, temp_snapshot, pacu.print)
116             summary_data['instances'] += 1
117         if not cleanup(pacu):
118             summary_data['fail'] = 'Failed to delete temporary data.'
```

```
180         WaiterConfig=WAIT_CONFIG,
181     )
182     try:
183         response = client.delete_db_snapshot(
184             DBSnapshotIdentifier=snapshot['DBSnapshotIdentifier']
185         )
186         remove_temp(response['DBSnapshot'])
187         return True
188     except ClientError as error:
189         print('          ' + error.response['Error']['Code'])
190     return False
191
192
193  def delete_instance(client, instance, print):
194     waiter = client.get_waiter('db_instance_available')
195     waiter.wait(
196         DBInstanceIdentifier=instance['DBInstanceIdentifier'],
197         WaiterConfig=WAIT_CONFIG,
198     )
199     try:
200         response = client.delete_db_instance(
201             DBInstanceIdentifier=instance['DBInstanceIdentifier'],
202             SkipFinalSnapshot=True,
203         )
204         remove_temp(response['DBInstance'])
205     except ClientError as error:
206         print('          ' + error.response['Error']['Code'])
```

```
207         return False
208     waiter = client.get_waiter('db_instance_deleted')
209     waiter.wait(
210         DBInstanceIdentifier=instance['DBInstanceIdentifier'],
211         WaiterConfig=WAIT_CONFIG,
212     )
213     return True
214
215
216  def create_snapshot_from_instance(client, instance, print):
217     waiter = client.get_waiter('db_instance_available')
218     waiter.wait(
219         DBInstanceIdentifier=instance['DBInstanceIdentifier'],
220         WaiterConfig=WAIT_CONFIG,
221     )
222     try:
223         response = client.create_db_snapshot(
224             DBSnapshotIdentifier=instance['DBInstanceIdentifier'] + '-copy',
225             DBInstanceIdentifier=instance['DBInstanceIdentifier'],
226         )
227         mark_temp(response['DBSnapshot'])
228         return response['DBSnapshot']
229     except ClientError as error:
230         print(' ' + error.response['Error']['Code'])
231     return {}
232
233
234  def get_all_region_instances(client, print):
235     out = []
236     paginator = client.get_paginator('describe_db_instances')
237     pages = paginator.paginate()
238     try:
239         for page in pages:
240             out.extend(page['DBInstances'])
241         return out
242     except ClientError as error:
243         print(' ' + error.response['Error']['Code'])
244     return []
245
246
247  def summary(data, pacu_main):
248     if 'fail' in data:
249         out = data['fail'] + '\n'
250     else:
251         out = ' No issues cleaning up temporary data\n'
252     out += ' {} Copy Instance(s) Launched'.format(data['instances'])
253     return out
```