20251011_AgentCoreにデプロイ

2025年10月11日　20:35

Strandsで書いたエージェントを、AgentCoreのSDKでラップしてAPIサーバーにする

①AWSの環境変数の設定

```
chach@chachapc MINGW64 ~/Documents/Dev_Env/vscode-workspace/20251011_AgentCore
$ aws configure
AWS Access Key ID [***************F26G]: AKIA5PUOIAJEQAI4F26G
AWS Secret Access Key [***************l9o/]: 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
Default region name [ap-northeast-1]: ap-northeast-1
Default output format [json]: json
```

②pip install bedrock-agentcore-starter-toolkit

```
chach@chachapc MINGW64 ~/Documents/Dev_Env/vscode-workspace/20251011_AgentCore
$ pip install bedrock-agentcore-starter-toolkit
Defaulting to user installation because normal site-packages is not writeable
Collecting bedrock-agentcore-starter-toolkit
  Downloading bedrock_agentcore_starter_toolkit-0.1.22-py3-none-any.whl.metadata (10.0 kB)
Collecting autopep8>=2.3.2 (from bedrock-agentcore-starter-toolkit)
  Downloading autopep8-2.3.2-py2.py3-none-any.whl.metadata (16 kB)
```

Scripts が PATH に無いのでコマンド名（autopep8, typer, agentcore など）が直接打てない、という警告

```
ja2, autopep0, typer, prance, openapi-schema-validator, openapi-spec-validator, bedrock-agentcore, bedrock-agentcore-st
arter-toolkit
                             5/22 [pyyaml]  WARNING: The script pycodestyle.exe is installed in 'C:\Us
rs\chach\AppData\Roaming\Python\Python313\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
                            10/22 [chardet]  WARNING: The script chardetect.exe is installed in 'C:\Us
rs\chach\AppData\Roaming\Python\Python313\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
                            14/22 [jinja2]  WARNING: The script autopep8.exe is installed in 'C:\Users
chach\AppData\Roaming\Python\Python313\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
                            16/22 [typer]  WARNING: The script typer.exe is installed in 'C:\Users\cha
h\AppData\Roaming\Python\Python313\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
                            17/22 [prance]  WARNING: The script prance.exe is installed in 'C:\Users\c
ach\AppData\Roaming\Python\Python313\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
                            19/22 [openapi-spec-validator]  WARNING: The script openapi-spec-validator
exe is installed in 'C:\Users\chach\AppData\Roaming\Python\Python313\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
                            20/22 [bedrock-agentcore]  WARNING: The script bedrock-agentcore.exe is i
```

見つからない（agentcoreのコマンドも使用できない）

```
chach@chachapc MINGW64 ~/Documents/Dev_Env/vscode-workspace/20251011_AgentCore
$ where autopep8
INFO: Could not find files for the given pattern(s).
```

PATH にフォルダを登録

```
chach@chachapc MINGW64 ~/Documents/Dev_Env/vscode-workspace/20251011_AgentCore
$ setx PATH "$($env:PATH);C:\Users\chach\AppData\Roaming\Python\Python313\Scripts"
bash: :PATH: command not found

SUCCESS: Specified value was saved.
```

→ vscode再起動

③Bedrock AgentCore 用のデプロイ設定を行う

agentcore configure --entrypoint agent_test.py

ウィザードでは全て Enter でOK


```
chach@chachapc MINGW64 ~/Documents/Dev_Env/vscode-workspace/20251011_AgentCore
$ agentcore configure --entrypoint agent_test.py
Configuring Bedrock AgentCore...
Entrypoint parsed: file=C:\Users\chach\Documents\Dev_Env\vscode-workspace\20251011_AgentCore\agent_test.py, bedrock_age
ntcore_name=agent_test
Agent name: agent_test

🔒 Execution Role
Press Enter to auto-create execution role, or provide execution role ARN/name to use existing
Execution role ARN/name (or press Enter to auto-create):
```



```
chach@chachapc MINGW64 ~/Documents/Dev_Env/vscode-workspace/20251011_AgentCore
$ agentcore configure --entrypoint agent_test.py
Setting 'agent_test' as default agent
╭────────────────────────── Configuration Success ──────────────────────────╮
│ Configuration Complete                                                      │
│                                                                             │
│ Agent Details:                                                              │
│ Agent Name: agent_test                                                      │
│ Runtime: None                                                               │
│ Region: ap-northeast-1                                                      │
│ Account: 926937514569                                                       │
│                                                                             │
│ Configuration:                                                              │
│ Execution Role: None                                                        │
│ ECR Repository: Auto-create                                                 │
│ Authorization: IAM (default)                                                │
│                                                                             │
│                                                                             │
│ Memory: Short-term memory (30-day retention)                                │
│                                                                             │
│ 📄 Config saved to: C:\Users\chach\Documents\Dev_Env\vscode-workspace\20251011_AgentCore\.bedrock_agentcore.yaml │
│                                                                             │
│ Next Steps:                                                                 │
│     agentcore launch                                                        │
╰─────────────────────────────────────────────────────────────────────────────╯
```

④デプロイ

agentcore launch


```
chach@chachapc MINGW64 ~/Documents/Dev_Env/vscode-workspace/20251011_AgentCore
$ agentcore launch
Y34CRKR
╭──────────────────────────── Deployment Success ────────────────────────────╮
│ ✅ CodeBuild Deployment Successful!                                          │
│                                                                             │
│ Agent Details:                                                              │
│ Agent Name: agent_test                                                      │
│ Agent ARN: arn:aws:bedrock-agentcore:ap-northeast-1:926937514569:runtime/agent_test-CNeY34CRKR │
│ ECR URI: 926937514569.dkr.ecr.ap-northeast-1.amazonaws.com/bedrock-agentcore-agent_test:latest │
│ CodeBuild ID: bedrock-agentcore-agent_test-builder:7b04a7d2-186c-423b-94fb-1aa80c88357c │
│                                                                             │
│ 🚀 ARM64 container deployed to Bedrock AgentCore                             │
│                                                                             │
│ Next Steps:                                                                 │
│     agentcore status                                                        │
│     agentcore invoke '{"prompt": "Hello"}'                                  │
│                                                                             │
│ 📋 CloudWatch Logs:                                                          │
│     /aws/bedrock-agentcore/runtimes/agent_test-CNeY34CRKR-DEFAULT --log-stream-name-prefix │
│ "2025/10/11/[runtime-logs]"                                                  │
│     /aws/bedrock-agentcore/runtimes/agent_test-CNeY34CRKR-DEFAULT --log-stream-names "otel-rt-logs" │
│                                                                             │
│ 🔍 GenAI Observability Dashboard:                                           │
│     https://console.aws.amazon.com/cloudwatch/home?region=ap-northeast-1#gen-ai-observability/agent-core │
│                                                                             │
│ 🕐 Note: Observability data may take up to 10 minutes to appear after first launch │
╰─────────────────────────────────────────────────────────────────────────────╯
```

⑤エージェント削除

agentcore destroy --agent agent_test

```
chach@chachapc MINGW64 ~/Documents/Dev_Env/vscode-workspace/20251011_AgentCore
$ agentcore destroy --agent agent_test
⚠ About to destroy resources for agent 'agent_test'

Current deployment:
  • Agent ARN: arn:aws:bedrock-agentcore:ap-northeast-1:926937514569:runtime/agent_test-CNeY34CRKR
  • Agent ID: agent_test-CNeY34CRKR
  • ECR Repository: 926937514569.dkr.ecr.ap-northeast-1.amazonaws.com/bedrock-agentcore-agent_test
  • Execution Role: arn:aws:iam::926937514569:role/AmazonBedrockAgentCoreSDKRuntime-ap-northeast-1-35fdaffda4

This will permanently delete AWS resources and cannot be undone!
Are you sure you want to destroy the agent 'agent_test' and all its resources? [y/N]: y
Starting destroy operation for agent: agent_test (dry_run=False, delete_ecr_repo=False)
⠿ Destroying Bedrock AgentCore resources...Skipping deletion of DEFAULT endpoint
⠴ Destroying Bedrock AgentCore resources...Deleted AgentCore agent: arn:aws:bedrock-agentcore:ap-northeast-1:9269375145
69:runtime/agent_test-CNeY34CRKR
Checking ECR repository: bedrock-agentcore-agent_test in region: ap-northeast-1
⠦ Destroying Bedrock AgentCore resources...Deleted 1 ECR images from bedrock-agentcore-agent_test
```
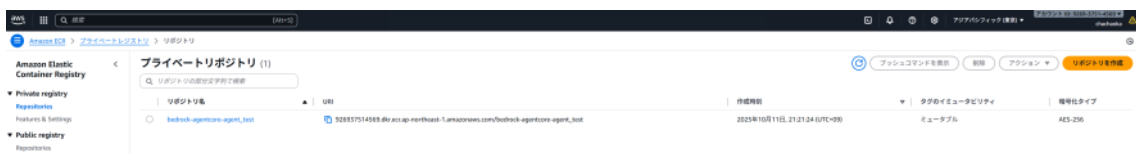
誤削除防止のため。以下は残る。

不要なら自分で消す

ECRのリポジトリは残る

S3も残る

CloudWatch Logs（ランタイムのロググループ）