

リスト1.txt

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001 import httpx
002 import uvicorn
003 from a2a.server.apps import A2AStarletteApplication
004 from a2a.server.request_handlers import DefaultRequestHandler
005 from a2a.server.tasks import (BasePushNotificationSender,
006                               InMemoryPushNotificationConfigStore,
007                               InMemoryTaskStore)
008 from a2a.types import AgentCapabilities, AgentCard, AgentSkill
009 from .agent import CurrencyAgent
010 from .agent_executor import CurrencyAgentExecutor
011
012
013 def main(host: str, port: int, dump_rdata: bool) -> None:
014     capabilities = AgentCapabilities(streaming=True,
015                                     push_notifications=True)
016     skill = AgentSkill(
017         id='convert_currency',
018         name='Currency Exchange Rates Tool',
019         description='Helps with exchange values '
020                     'between various currencies',
021         tags=['currency conversion', 'currency exchange'],
022         examples=['What is exchange rate between USD and GBP?'],
023     )
024     agent_card = AgentCard(
025         name='Currency Agent',
026         description='Helps with exchange rates for currencies',
027         url=f'http://{host}:{port}/',
028         version='1.0.0',
029         default_input_modes=CurrencyAgent.SUPPORTED_CONTENT_TYPES,
030         default_output_modes=CurrencyAgent.SUPPORTED_CONTENT_TYPES,
031         capabilities=capabilities,
032         skills=[skill],
033     )
034
035     httpx_client = httpx.AsyncClient()
036     push_config_store = InMemoryPushNotificationConfigStore()
037     push_sender = BasePushNotificationSender(
038         httpx_client=httpx_client,
039         config_store=push_config_store)
040     request_handler = DefaultRequestHandler(
041         agent_executor=CurrencyAgentExecutor(),
042         task_store=InMemoryTaskStore(),
043         push_config_store=push_config_store,
044         push_sender=push_sender
045     )
046
047     class LoggingA2AStarletteApplication(A2AStarletteApplication):
048         async def _handle_requests(self, request):
049             if dump_rdata:
050                 try:
051                     headers = dict(request.headers)
052                     body_bytes = await request.body()
053                     print(f"Received request headers: {headers}")
054                     print(f"Received request body bytes: {body_bytes}")
055                 except Exception as e:
056                     print(f"Failed to dump request data: {e}")
057             return await super()._handle_requests(request)
058
059     server = LoggingA2AStarletteApplication(
060         agent_card=agent_card, http_handler=request_handler
061     )
062
063     uvicorn.run(server.build(), host=host, port=port)

```