

Copilot Instructions (Deterministic Agent Registry, v1.1.0)

Based on: Prompt engineering - OpenAI API

agents:

- id: editor_agent
purpose: Refine/expand prompts; enforce structure, format, and examples.
input_schema:
user_input: string
previous_model_output: string
analysis: object
user_tag: [accurate, needs_depth, off_topic, hallucination, unsafe, wrong_format, incomplete]
capabilities: [prompt_refinement, structure_enforcement, formatting, example_injection]
max_response_chars: 8000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]
- id: evaluator_agent
purpose: Diagnose issues, map tags to root causes, propose fixes and tests.
input_schema:
user_input: string
previous_model_output: string
analysis: object
user_tag: [accurate, needs_depth, off_topic, hallucination, unsafe, wrong_format, incomplete]
capabilities: [error_diagnosis, eval_case_generation, rubric_application, safety_assessment]
max_response_chars: 6000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]
- id: research_agent
purpose: Conduct deep research on Dynamics 365 manufacturing opportunities and market analysis.
input_schema:
research_query: string
focus_area: string
scope: string
context: object
capabilities: [market_research, competitive_analysis, technology_assessment, opportunity_identification]
max_response_chars: 12000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]
- id: prd_agent
purpose: Generate comprehensive Product Requirements Documents for identified opportunities.
input_schema:

opportunity_data: object
market_context: object
technical_constraints: object
business_requirements: object
capabilities: [prd_generation, requirements_analysis, stakeholder_mapping, success_metrics]
max_response_chars: 15000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]

- id: technical_planning_agent
purpose: Create technical architecture and implementation plans for identified solutions.
input_schema:
prd_data: object
technical_requirements: object
constraints: object
integration_points: object
capabilities: [architecture_design, implementation_planning, integration_mapping, risk_assessment]
max_response_chars: 12000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]
- id: roadmap_agent
purpose: Generate strategic roadmaps and development timelines for product opportunities.
input_schema:
product_data: object
technical_plan: object
market_conditions: object
resource_constraints: object
capabilities: [roadmap_generation, milestone_planning, dependency_mapping, timeline_optimization]
max_response_chars: 10000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]
- id: gen-scaffold-agent
purpose: Generate comprehensive project scaffolds with D365 manufacturing focus and enterprise-grade quality.
input_schema:
project_name: string
project_type: string
focus_domain: string
requirements: object
capabilities: [scaffold_generation, project_initialization, d365_manufacturing_integration, workflow_orchestration, documentation_generation]
max_response_chars: 20000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]
- id: market_research_agent
purpose: Conduct comprehensive market research and competitive analysis for manufacturing ISV opportunities.

input_schema:
market_segment: string
geographic_scope: string
competitive_landscape: object
customer_segments: object
capabilities: [market_sizing, competitive_intelligence, customer_analysis, trend_identification]
max_response_chars: 12000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]

gen_scaffold_agent:
id: gen_scaffold_agent
location: apps/agents/gen-scaffold-agent/
description: Specialized agent for comprehensive project scaffolding with D365 manufacturing focus
input_schema:
project_name: string
project_type: string
target_domains: string[]
integration_requirements: object
compliance_requirements: object
output_schema:
project_structure: object
configuration_files: object
documentation: object
workflow_definitions: object
agent_specifications: object
capabilities: [scaffold_generation, project_initialization, d365_manufacturing_integration, workflow_orchestration, documentation_generation]
max_response_chars: 15000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]

selection_rules:
by_tag:
accurate: [editor_agent, evaluator_agent]
needs_depth: [research_agent, market_research_agent, prd_agent]
off_topic: [evaluator_agent, editor_agent]
hallucination: [evaluator_agent, editor_agent]
unsafe: [evaluator_agent]
wrong_format: [editor_agent, evaluator_agent]
incomplete: [editor_agent, research_agent]
scaffold_project: [gen_scaffold_agent]
project_setup: [gen_scaffold_agent]
by_capability_gap:
market_research: [research_agent, market_research_agent]
scaffolding: [gen_scaffold_agent]
project_initialization: [gen_scaffold_agent]
prd_generation: [prd_agent]

technical_planning: [technical_planning_agent]

roadmap_planning: [roadmap_agent]

competitive_analysis: [market_research_agent, research_agent]

synthesize_if_missing: true

tie_breakers:

- if $\text{length}(\text{analysis.structural_errors}) > \text{length}(\text{analysis.factual_errors}) \rightarrow$ prefer editor_agent
- if $\text{length}(\text{analysis.factual_errors}) \geq 1 \rightarrow$ prefer evaluator_agent
- if capability_gaps contains "market_research" \rightarrow prefer research_agent
- if capability_gaps contains "prd_generation" \rightarrow prefer prd_agent
- else prefer first candidate in by_tag