

















```

failed to start.\")\n",
"name": "start_desktop_app"
},
{
"type": "miscellaneous",
"content": "\n"
},
{
"type": "async_function",
"content": "async def ensure_browsers():\n    """Ensure browser dependencies are available for scraping.\n    playwright in frozen apps if binary doesn't exist - use HTTP-only adapters\n    if is_frozen():\n        playwright_path =\n            os.path.expanduser(\"~\\\\\\AppData\\\\Local\\\\ms-playwright\")\n        if not os.path.exists(playwright_path) and platform.system() == 'Windows':\n            structlog.get_logger().info(\"Running as frozen app - playwright disabled (binary not found)\")\n            return True\n        try:\n            # Check if playwright is installed and has a chromium binary\n            from playwright.async_api import\n                playwright\n            playwright\n            await playwright.asyncio\n            with playwright as p:\n                try:\n                    # We try to launch a headless browser to verify installation\n                    browser = await p.chromium.launch(headless=True)\n                    await browser.close()\n                    return True\n                except Exception as e:\n                    structlog.get_logger().debug(\"Playwright launch failed during verification\", error=str(e))\n                    if is_frozen():\n                        structlog.get_logger().info(\"Frozen app: playwright launch failed, using HTTP-only fallbacks\")\n                        return True\n                    raise ImportError\n            structlog.get_logger().debug(\"Playwright not imported\")\n            if is_frozen():\n                return True\n            if is_frozen():\n                return True\n        except ImportError:\n            # GPT5 Improvement: Instead of auto-installing, warn the user unless opt-in\n            # For now, we will assume it's NOT opt-in and ask for manual installation\n            # because auto-pip-installing can be surprising.\n            structlog.get_logger().warning(\"Browser dependencies (Playwright Chromium) missing.\")\n            print(\"\\n [bold red]Browser dependencies missing![/]\")\n            print(\"To use browser-based adapters, please run:\\n print(f\" {sys.executable} -m pip install playwright==1.49.1\")\n            print(f\" {sys.executable} -m playwright install chromium\")\\n\")\n            # Check if we should auto-install via a hidden flag or environment variable\n            if os.getenv(\"FORTUNA_AUTO_INSTALL_BROWSERS\") == \"1\":\n                structlog.get_logger().info(\"Auto-installing browser dependencies as requested...\")\n                try:\n                    subprocess.run([sys.executable, \"-m\", \"pip\", \"install\", \"playwright==1.49.1\"], check=True, capture_output=True, text=True)\n                    subprocess.run([sys.executable, \"-m\", \"playwright\", \"install\", \"chromium\"], check=True, capture_output=True, text=True)\n                    structlog.get_logger().info(\"Browser dependencies installed successfully.\")\n                    return True\n                except subprocess.CalledProcessError as e:\n                    structlog.get_logger().error(\"Failed to auto-install browsers\", error=str(e))\n                    return False\n            # Continue with HTTP-only adapters\n        return True\n    # Continue with HTTP-only adapters\n",
"name": "ensure_browsers"
},
{
"type": "miscellaneous",
"content": "\n"
},
{
"type": "async_function",
"content": "async def handle_early_exit_args(args: argparse.Namespace, config: Dict[str, Any]) -> bool:\n    """Handles CLI arguments that should trigger an immediate exit (GPT5 Improvement).\n    if args.quick_help:\n        print_quick_help()\n        return True\n    if args.status:\n        print_status_card(config)\n        return True\n    if args.show_log:\n        await print_recent_logs()\n        return True\n    if args.open_dashboard:\n        open_report_in_browser()\n        return True\n    return False\n",
"name": "handle_early_exit_args"
},
{
"type": "miscellaneous",
"content": "\n"
},
{
"type": "async_function",
"content": "async def main_all_in_one():\n    # Configure logging at the start of main\n    structlog.configure(\n        wrapper_class=structlog.make_filtering_bound_logger(logging.INFO)\n    )\n    # Ensure DB path env is set if passed via argument or already in environment\n    # Actually, we should probably add a --db-path arg here too for parity with analytics\n    config = load_config()\n    logger = structlog.get_logger(\"main\")\n    parser = argparse.ArgumentParser(description=\"Fortuna All-In-One - Professional Racing Intelligence\")\n    parser.add_argument(\"--date\", type=str, help=\"Target date (YYYY-MM-DD)\")\n    parser.add_argument(\"--hours\", type=int, default=8, help=\"Discovery time window in hours (default: 8)\")\n    parser.add_argument(\"--monitor\", action=\"store_true\", help=\"Run in monitor mode\")\n    parser.add_argument(\"--once\", action=\"store_true\", help=\"Run monitor once\")\n    parser.add_argument(\"--region\", type=str, choices=[\"USA\", \"INT\", \"GLOBAL\"], help=\"Filter by region (USA, INT or GLOBAL)\")\n    parser.add_argument(\"--include\", type=str, help=\"Comma-separated adapter names to include\")\n    parser.add_argument(\"--save\", type=str, help=\"Save races to JSON file\")\n    parser.add_argument(\"--load\", type=str, help=\"Load races from JSON file(s), comma-separated\")\n    parser.add_argument(\"--fetch-only\", action=\"store_true\", help=\"Only fetch and save data, skip analysis and reporting\")\n    parser.add_argument(\"--db-path\", type=str, help=\"Path to tip history database\")\n    parser.add_argument(\"--clear-db\", action=\"store_true\", help=\"Clear all tips from the database and exit\")\n    parser.add_argument(\"--gui\", action=\"store_true\", help=\"Start the Fortuna Desktop GUI\")\n    parser.add_argument(\"--live-dashboard\", action=\"store_true\", help=\"Show live updating terminal dashboard\")\n    parser.add_argument(\"--track-odds\", action=\"store_true\", help=\"Monitor live odds and send notifications\")\n    parser.add_argument(\"--status\", action=\"store_true\", help=\"Show application status card and latest metrics\")\n    parser.add_argument(\"--show-log\", action=\"store_true\", help=\"Print recent fetch/audit highlights\")\n    parser.add_argument(\"--quick-help\", action=\"store_true\", help=\"Show friendly onboarding guide\")\n    parser.add_argument(\"--open-dashboard\", action=\"store_true\", help=\"Open the HTML intelligence report in browser\")\n    args = parser.parse_args()\n    # Handle early-exit arguments via helper (GPT5 Fix/Improvement)\n    if await handle_early_exit_args(args, config):\n        return\n    if args.db_path:\n        os.environ[\"FORTUNA_DB_PATH\"] = args.db_path\n    # Print status card for all normal runs\n    print_status_card(config)\n    if args.gui:\n        # Start GUI. It runs its own event loop for the webview.\n        await ensure_browsers()\n        await start_desktop_app()\n        return\n    if args.clear_db:\n        db = FortunaDB()\n        await db.clear_all_tips()\n        await db.close()\n        print(\"Database cleared successfully.\")\n        return\n    adapter_filter = [n.strip() for n in args.include.split(\",\")]\n    if args.include else None\n    # Use default region if not specified\n    if not args.region:\n        args.region = config.get(\"region\", {}).get(\"default\", DEFAULT_REGION)\n    structlog.get_logger().info(\"Using default region\", region=args.region)\n    # Region-based adapter filtering\n    if args.region:\n        if args.region == \"USA\":\n            target_set = USA_DISCOVERY_ADAPTERS\n        elif args.region == \"INT\":\n            target_set = INT_DISCOVERY_ADAPTERS\n        else:\n            target_set = GLOBAL_DISCOVERY_ADAPTERS\n        if adapter_filter:\n            adapter_filter = [n for n in adapter_filter if n in target_set]\n        else:\n            adapter_filter = list(target_set)\n    # Special case: TwinSpires needs to know its region internally if it's not filtered out\n    # We can pass the region via config if we were creating adapters manually\n    # but here we use names.\n    # Actually, I updated TwinSpiresAdapter to check self.config.get(\"region\").\n    # I need to ensure the adapter gets this config.\n",
"name": "main_all_in_one"
}

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loaded_races = None\nif args.load:\n    loaded_races = []\n    for path in args.load.split(","):\n        path = path.strip()\n        if not os.path.exists(path):\n            print(f"Warning: File not found: {path}")\n            logger.warning("Race data file not found",\npath=path)\n        continue\n        try:\n            with open(path, "r") as f:\n                data = json.load(f)\n            loaded_races.extend([Race.model_validate(r) for r in data])\n        except Exception as e:\n            print(f"Error loading {path}: {e}")\n            logger.error("Failed to load race data", path=path, error=str(e), exc_info=True)\n\nif args.date:\n    target_dates = [args.date]\nelse:\n    now = datetime.now(EASTERN)\n    future = now + timedelta(hours=args.hours)\n    target_dates = [now.strftime("%Y-%m-%d")]\n    if future.date() > now.date():\n        target_dates.append(future.strftime("%Y-%m-%d"))\n\nif args.monitor:\n    await ensure_browsers()\n    monitor = FavoriteToPlaceMonitor(target_dates=target_dates, config=config)\n    # Pass region config to monitor\n    monitor.config["region"] = args.region\n    if args.once:\n        await monitor.run_once(loaded_races=loaded_races, adapter_names=adapter_filter)\n    if config.get("ui", {}).get("auto_open_report", True) and not os.getenv("GITHUB_ACTIONS"):\n        open_report_in_browser()\n    else:\n        await monitor.run_continuous() # Continuous mode doesn't support load/filter yet for simplicity\n    else:\n        await ensure_browsers()\n        await run_discovery(\n            target_dates,\n            window_hours=args.hours,\n            loaded_races=loaded_races,\n            adapter_names=adapter_filter,\n            save_path=args.save,\n            fetch_only=args.fetch_only,\n            live_dashboard=args.live_dashboard,\n            track_odds=args.track_odds,\n            region=args.region,\n            # Pass region to run_discovery\n            config=config\n        )\n        # Post-run UI enhancements (Council of Superbrains Directive)\n        if config.get("ui", {}).get("auto_open_report", True) and not os.getenv("GITHUB_ACTIONS"):\n            open_report_in_browser()\n\n    "name": "main_all_in_one"\n},\n{\n    "type": "miscellaneous",\n    "content": "\n",\n},\n{\n    "type": "unknown",\n    "content": "if __name__ == '__main__':\n    if os.getenv('DEBUG_SNAPSHOTS'):\n        os.makedirs('debug_snapshots', exist_ok=True)\n        # Windows Event Loop Policy Fix (Project Hardening)\n        if sys.platform == 'win32':\n            try:\n                # We prefer ProactorEventLoopPolicy for subprocess support (Playwright requirement)\n                # This is also set at the top of the file for frozen EXEs.\n                asyncio.set_event_loop_policy(asyncio.WindowsProactorEventLoopPolicy())\n            except AttributeError:\n                # Fallback if Proactor is not available (should be rare on modern Windows)\n                try:\n                    asyncio.set_event_loop_policy(asyncio.WindowsSelectorEventLoopPolicy())\n                except AttributeError:\n                    pass\n            try:\n                asyncio.run(main_all_in_one())\n            except KeyboardInterrupt:\n                pass\n        "}\n    ]\n}\n}
```