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# fix(server): 未配置 root\_api\_key 时仅允许 localhost 绑定 #310

Merged [qin-ctx](#) merged 1 commit into [main](#) from [fix/localhost-bind-without-auth](#) on Feb 26[Conversation 1](#) [Commits 1](#) [Checks 5](#) [Files changed 5](#)[qin-ctx](#) commented [on Feb 26](#)

Collaborator

## Description

修复安全漏洞：当 `server.root_api_key` 未配置时，`resolve_identity()` 将所有请求解析为 `Role.ROOT`，结合默认绑定 `0.0.0.0`（所有网络接口），导致任何网络请求均可执行管理员操作。

本 PR 将默认绑定地址改为 `127.0.0.1`，并在启动阶段校验配置安全性：无认证 + 非 localhost 绑定时拒绝启动。

## Related Issue

Fixes [#302](#)

## Type of Change

- Bug fix (non-breaking change that fixes an issue)
- New feature (non-breaking change that adds functionality)
- Breaking change (fix or feature that would cause existing functionality to not work as expected)
- Documentation update
- Refactoring (no functional changes)
- Performance improvement
- Test update

## Changes Made

- `openviking/server/config.py` : 默认 `host` 从 `0.0.0.0` 改为 `127.0.0.1` (`ServerConfig` 和 `load_server_config` 两处) ; 新增 `_is_localhost()` 辅助函数和 `validate_server_config()` 启动校验函数, 无 `key` + 非 `localhost` 时调用 `sys.exit(1)` 并输出错误日志和修复建议
- `openviking/server/app.py` : `create_app()` 中加载 `config` 后调用 `validate_server_config()` ; `dev mode` 日志从 `logger.info` 升级为 `logger.warning` , 明确提示认证已禁用
- `tests/server/test_auth.py` : 新增 6 个测试用例 (含参数化共 10 个 case) , 覆盖 `_is_localhost` 和 `validate_server_config` 的各种场景
- `docs/{en,zh}/guides/04-authentication.md` : 更新开发模式段落, 示例 `host` 改为 `127.0.0.1` , 添加安全说明

## Testing

- I have added tests that prove my fix is effective or that my feature works
- New and existing unit tests pass locally with my changes
- I have tested this on the following platforms:
  - Linux
  - macOS
  - Windows

验证场景 :

1. `pytest tests/server/test_auth.py` — 全部 22 个测试通过
2. `host: "0.0.0.0"` + 无 `root_api_key` → 服务器拒绝启动 (`SystemExit`)
3. `host: "127.0.0.1"` + 无 `root_api_key` → 正常启动, 输出 `WARNING` 日志
4. `host: "0.0.0.0"` + 有 `root_api_key` → 正常启动

## Checklist

- My code follows the project's coding style
- I have performed a self-review of my code
- I have commented my code, particularly in hard-to-understand areas
- I have made corresponding changes to the documentation
- My changes generate no new warnings
- Any dependent changes have been merged and published

## Additional Notes

- 现有测试 fixture 中 `ServerConfig()` 默认值改为 `127.0.0.1` 后，因属于 localhost 范围，校验自动通过，无需修改 confest
- `auth.py` 中 `resolve_identity()` 逻辑保持不变，安全保护在启动阶段完成

  [fix\(server\): 未配置 root\\_api\\_key 时仅允许 localhost 绑定](#)  ✓ [0251c70](#)

  **github-project-automation** (bot) added this to **OpenViking project** on [Feb 26](#)

  **github-project-automation** (bot) moved this to **Backlog** in **OpenViking project** on [Feb 26](#)



**CLAAssistant** commented on [Feb 26](#) • edited ▾

CLA signed


All committers have signed the CLA.



 **zhoujh01** approved these changes on [Feb 26](#)

[View reviewed changes](#)

  **qin-ctx** merged commit **9e69113** into `main` on [Feb 26](#)  
5 of 6 checks passed

[View details](#)

  **qin-ctx** deleted the `fix/localhost-bind-without-auth` branch [2 months ago](#)

  **github-project-automation** (bot) moved this from **Backlog** to **Done** in **OpenViking project** on [Feb 26](#)

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### Assignees

No one assigned

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### Labels

None yet

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### Projects

 **OpenViking project** ▼  
Status: Done +5 more

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### Milestone

No milestone

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### Development

Successfully merging this pull request may close these issues.

🔍 [Bug]: Missing `root_api_key` enables anonymous ROOT access (broken access control)

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### 3 participants

