

•Ù{Çb€g/SZ[çN;%•NĚ~ÍN† \*\*AutoGen hFg¶\*\* v,,Wúg,i,\_õTœ[žb ^”u(ÿ ••ÇN\$N\*NûRjo y:N†Y,OUO•u(

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### \*\*1. AutoGen {€NĚ\*\*

- \*\*hFg¶Rÿ€ÿ\*\* AutoGen f/N N\*e/c Y Năt SOO\„hFg¶ÿ ••ÇNăt •ôv,,[ù<Ý%ãQ³Y gBNûRjÿ Y,Năx u b
- \*\*h8\_Ăryp1\*\*ÿ
  - Năt Sî[šR60 Sî[ù<Ýÿ e/c N°{SÂN 0
  - Năt ~ĂT O•u( LLMÿ Y, GPT-4ÿ 0 N°{•“QeTœ]ăQw0
  - e/c •êR”•íNăÿ u b Năx !' bg^L !' SÍ™^ !' Oîkcÿ vô•óNûRi[œEb 0

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### \*\*2. h8\_Ă~ÄNöN ‘M•n\*\*

- \*\*Năt |{W<\*\*ÿ
  - \*\*`AssistantAgent`\*\*ÿ ••#u b Năx Tœœ Œÿ žØœN bg^LNăx 0
  - \*\*`UserProxyAgent`\*\*ÿ Nă^hu(b7ÿ bg^LNăx ^vSÍ™^~Ôgœÿ Sî‘M•n•êR”bg^Lb N°]ă^r~„ÿ 0
- \*\*Qs•.SĂep\*\*ÿ
  - `human\_input\_mode`ÿ cšR6f/T&— N°]ă“Qeÿ Y,¼N: `“NEVER”` R Qh•êR”ÿ 0
  - `code\_execution\_config`ÿ c [š]ăO\ví\_Uÿ Y, `work\_dir="coding"ÿ Tœf/T&O•u( Docker0
  - `is\_termination\_msg`ÿ ••Çm^`oQ...[¹ÿ Y, `“TERMINATE”`ÿ R\$e-NûRi/f/T&[œEb 0

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### \*\*3. [žb NûRjo y:\*\*

#### \*\*NûRj1ÿ <{—€jyhe6vÊs‡\*\*

- \*\*vîh \*\*ÿ Vp{T\_SRMeăg ÿ ^vkÔ•f META Tœ TESLA v,,^tR •óNĚe6vÊs‡0
- \*\*kešœ\*\*ÿ
  1. R YĚS N\$N\*Năt ÿ `assistant` Tœ `user\_proxy`ÿ 0
  2. `user\_proxy` SŇ•wNûRi<÷IBÿ `assistant` u b Năx kešœ0
  3. Năt •ô••Ç[ù<Ý•íNăÿ
    - `user\_proxy` bg^LNăx !' SÍ™^• <î !' `assistant` OîkcNăx !' \_as^vô•ób Rÿ0
  4. g ~Ê•“Qúe6vÊs‡~Ôgœÿ ^vNă `“TERMINATE”` h <°~Ôg\_0

#### \*\*NûRj2ÿ ~ØR6€jyhe6vÊs‡•R¿Vp\*\*

- \*\*vîh \*\*ÿ WúNŽNûRj1v,,~Ôgœu b Vp^h^vOÝ[XN: `stock\_price\_ytd.png`0
- \*\*[žs°\*\*ÿ ••Ç `user\_proxy.send()` SŇ• e<÷IBÿ Năt SOO\u b ^vbg^L~ØVpNăx 0

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### \*\*4. Qs•.g:R6\*\*

- \*\*Năx bg^L\*\*ÿ
  - `UserProxyAgent` •êR”hĂmK^vbg^LNăx WWÿ — ‘M•n `work\_dir`ÿ 0
  - e/c g,W0bg^Lb Docker [¹Vhÿ — ¼•n `use\_docker`ÿ 0
- \*\*•íNămAz \*\*ÿ
  - Năt ••Ç[ù<ÝR” OîkcNăx ÿ Y,Y t \_ ^80 œ et•;•ÿ 0

- \*\*~ÈkbgaNö\*\*  
- •¾R0g Y'•êR"VpY k!epÿ `max\_consecutive\_auto\_reply`ÿ b e6R0~Èkbh ‹°0

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### \*\*5. s`XfN là N˘y\*\*  
- \*\*c`fPs`Xf\*\*ÿ Linux/macOSÿ Windows Sî€ýQ|[''•î~ÿ 0  
- \*\*[%^Â\*\*ÿ ••Ç `pip install pyautogen` [%^Âÿ ^ú«O•u( Python †Zbßs`Xf0  
- \*\*j!W«O••V\*\*ÿ — 'M•n OpenAI API Keyÿ Y, `gpt-4`ÿ 0

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### \*\*6. `;~Ó\*\*  
- AutoGen ••ÇY Nät SOO\{€S Y gBNûR;ÿ Y, 'Ñ‡•R g•0 Sî‰AES ÿ ÿ \ •;•'[žs°NÎN°|{•lyûR0 AI Nät 0  
- O R¿ÿ •êR"Š Năx u b N Œ ‹Öÿ e/c eà• N°g:N‡N'0

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\*\*SÂ€ •De™\*\*  
- [AutoGen [˘e¹e‡hc](<https://microsoft.github.io/autogen/>)