

Infrastructure-as-Code best practices checklist for code review

9 responses

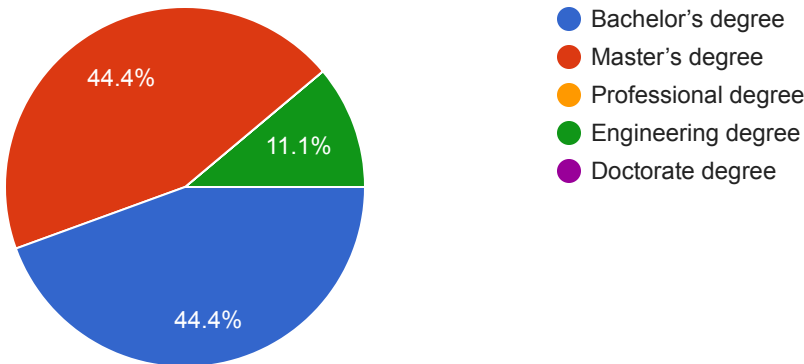
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Demographic questions

Education: What is your highest degree?

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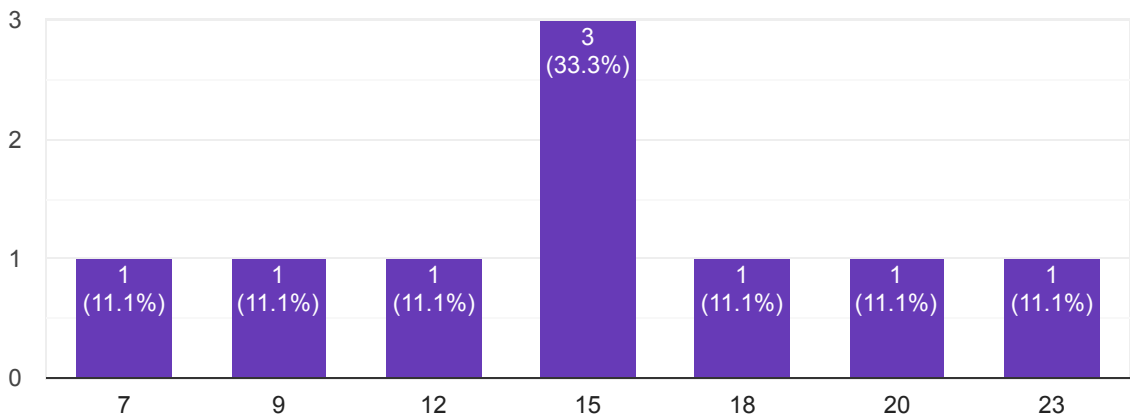
9 responses



Experience: How many years of experience do you have in software development?

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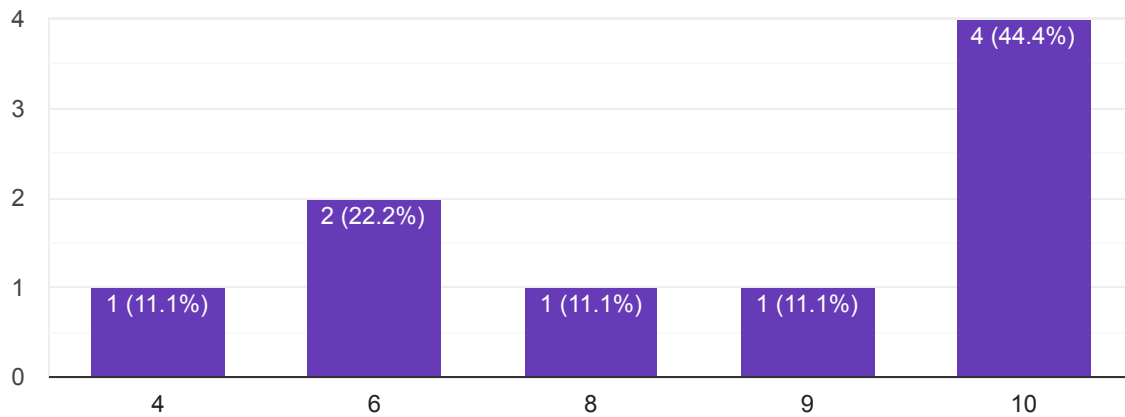
9 responses



Experience: How many years of experience do you have with OpenStack?



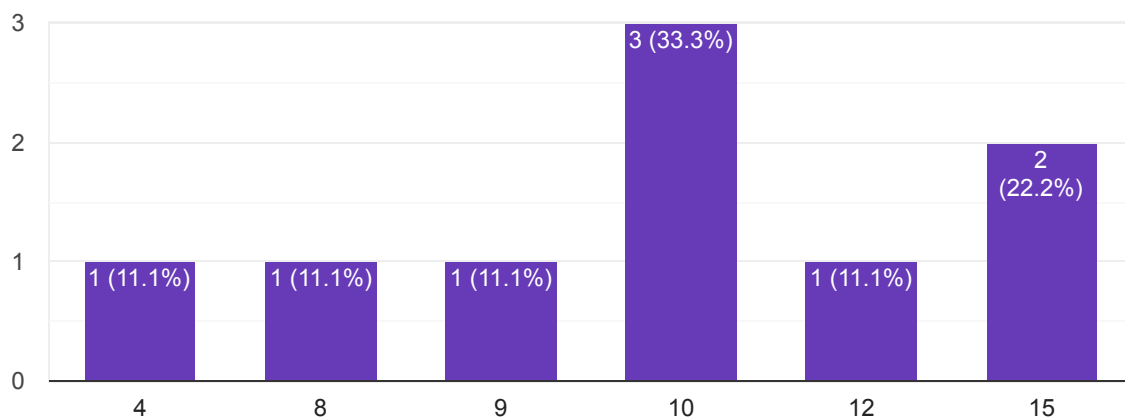
9 responses



Experience: How many years of experience do you have in code review?



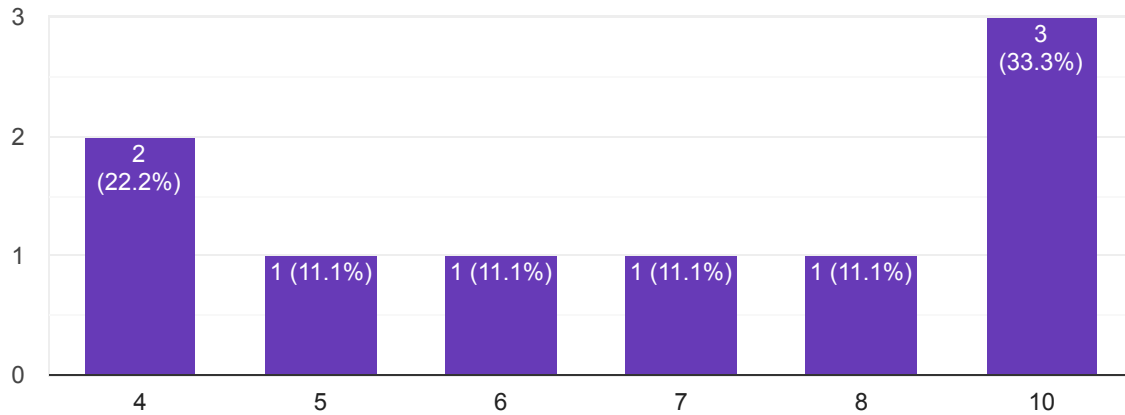
9 responses





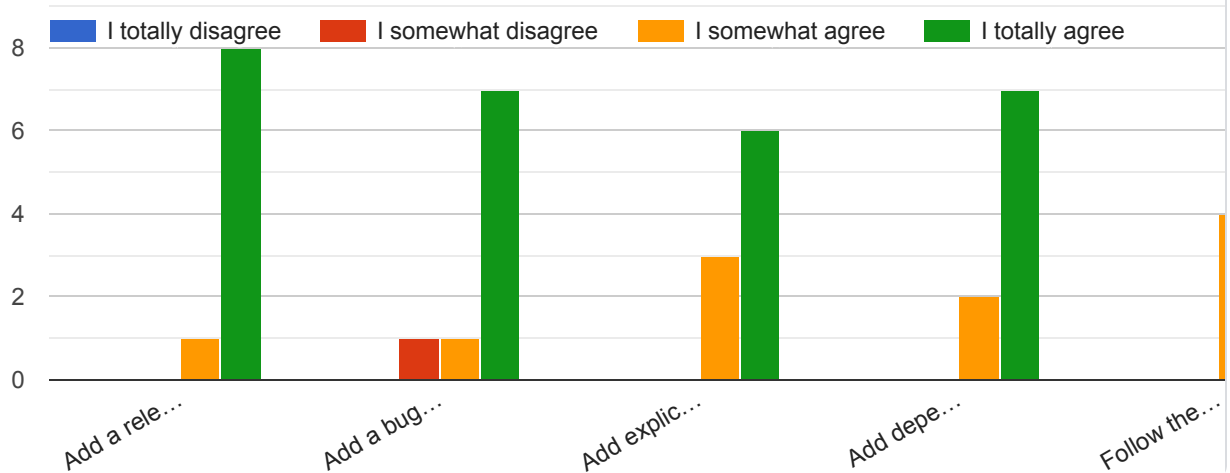
Experience: How many years of experience do you have with Infrastructure-as-Code (IaC)?

9 responses



IaC best practices Checklist

Category 1: Documentation



Do you have any comment on the "**Documentation**" category

8 responses

no

I add a bug report when the bug is detected. I don't add a new bug report when the bug is fixed

I am unclear about standard format of documentation

It is hard to say that a commit message follows standard format of documentation... However, everyone is seeking to develop guidelines and standards for performing code reviews as well as evaluation criteria for infrastructure code.

I agree with following standard format of documentation, but I would love to see the specific standards in the check list

I don't have

Do you agree on referring to this category as "**Documentation**"?

8 responses

yes

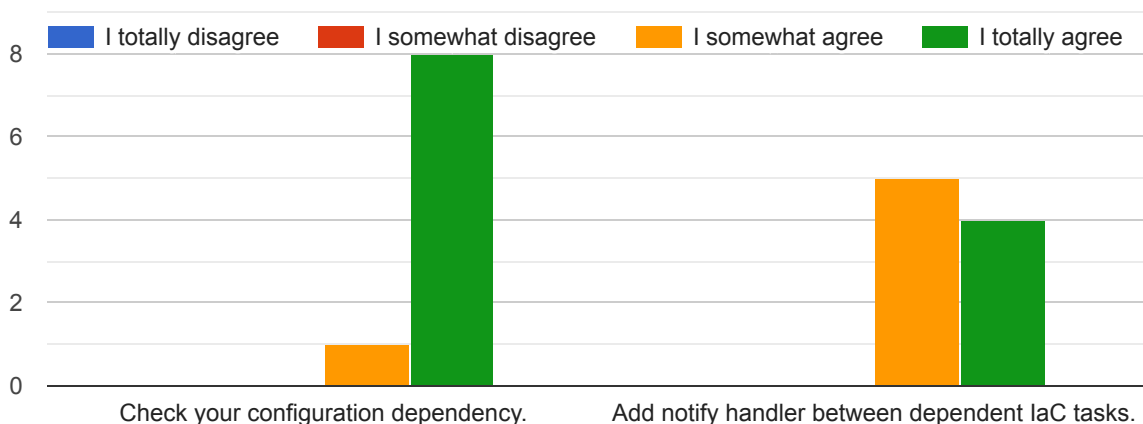
Yes

I agree

Agreed

Category 2: Dependencies

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Do you have any comment on the "**Dependencies**" category

4 responses

no

I don't have

Do you agree on referring to this category as "**Dependencies**"?

6 responses

yes

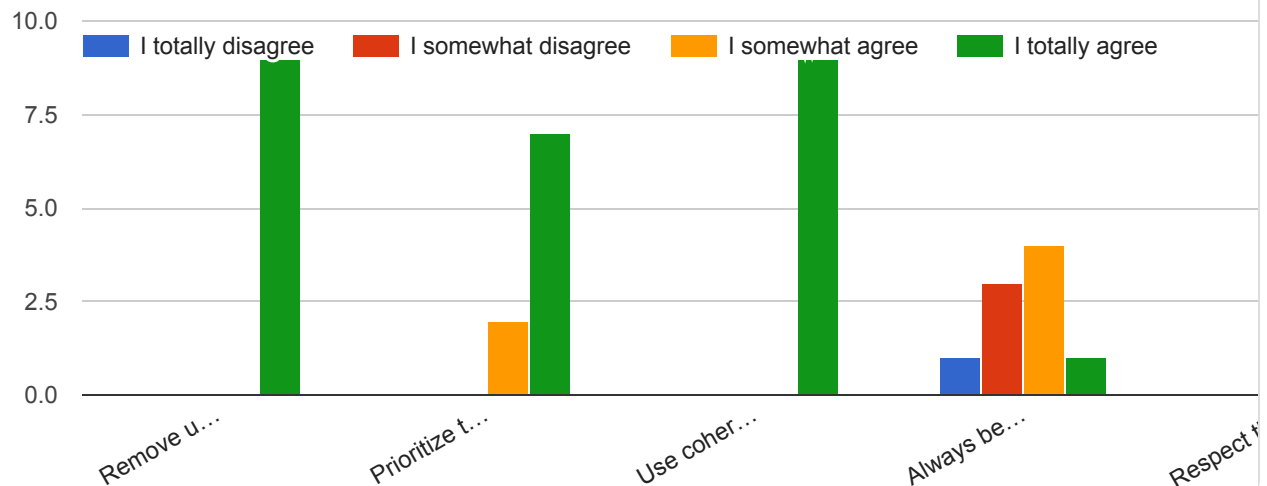
Yes

I agree

Agreed

Category 3: Best practices

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Do you have any comment on the "**Best practices**" category

3 responses

I don't understand "Be aware of new IRC conventions and upgrades." Internet Relay Chat?

no

I am not aware of IRC conventions.

Copyrights are red line for any code review



Do you agree on referring to this category as "**Best practices**"?

6 responses

yes

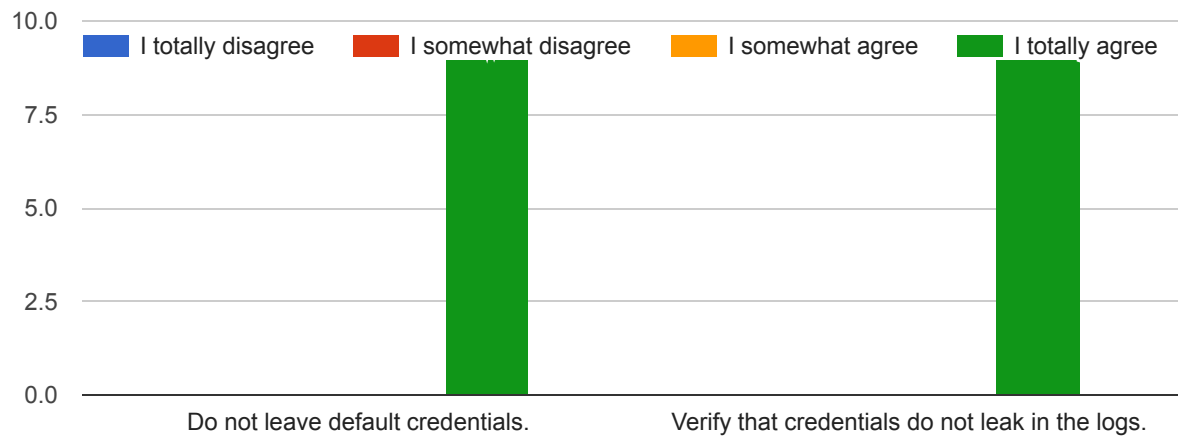
Okay

I agree

Agreed

Category 4: Security

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Do you have any comment on the "**Security**" category

5 responses

no

yes

I don't have

Other security verifications can checked about permissions: do we give the resource more permissions than what is required? does the code follow the least privilege access principle?



Do you agree on referring to this category as "Security"?

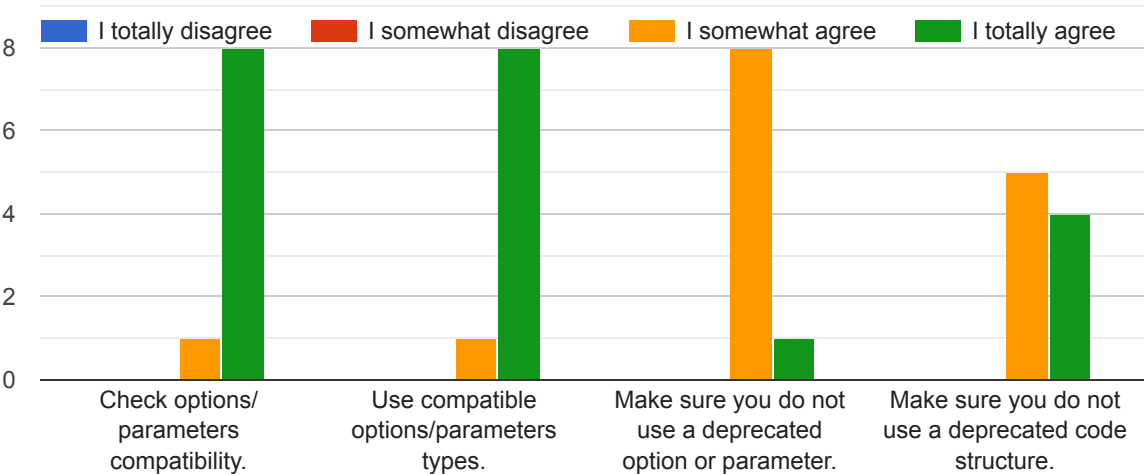
5 responses

yes

Agreed

Category 5: Compatibility

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Do you have any comment on the "Compatibility" category

4 responses

no

Deprecated options should be avoided, but it's OK to use them, provided you acknowledge you're taking it on as technical debt which you'll repay before the option is removed.

deprecated options are just not preferred to be used. Thus, better rephrase to something like "avoid using them"



Do you agree on referring to this category as "**Compatibility**"?

7 responses

yes

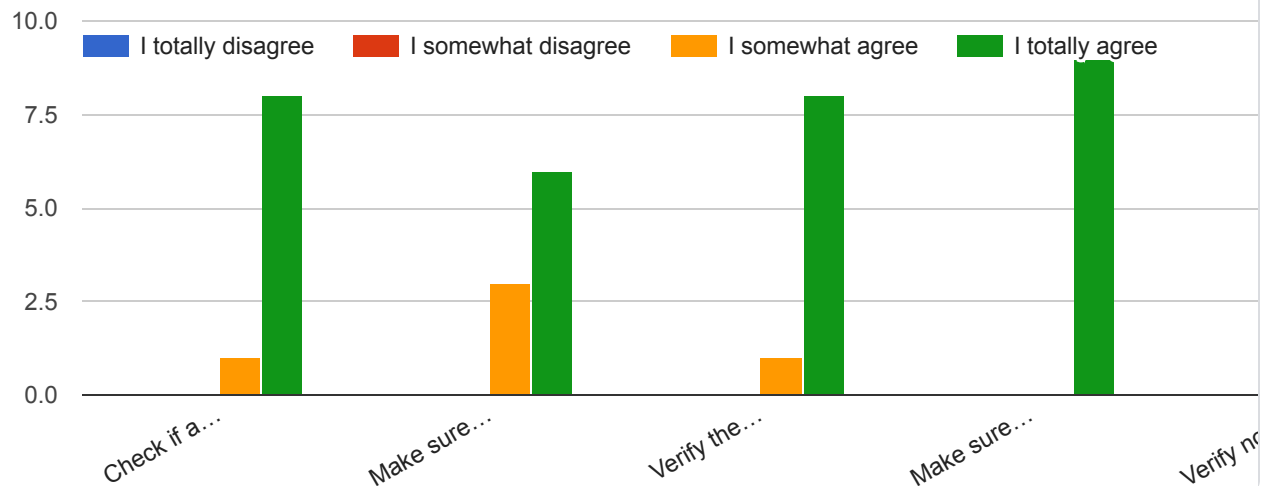
Okay

Ok

I agree

Category 6: Logics

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Do you have any comment on the "**Logics**" category

6 responses

no

No

I found this category of logic check list quite comprehensive. This is important not only for newcomers in the project but also for both code change owners and reviewers.

I don't have

I generally check others such as task names with Ansible playbooks since it is possible to leave off the name for a task. This is important when running the playbook as the name will be shown. Though it is recommended to provide a description about why something is being done instead.



Do you agree on referring to this category as "**Logics**"?

8 responses

yes

Perhaps just "Logic".

Okay

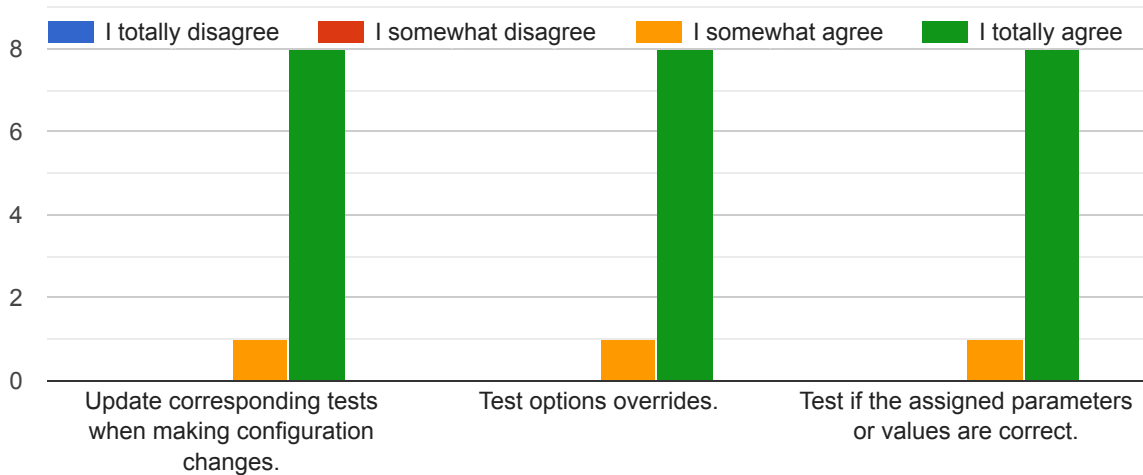
Ok

I agree

Agreed

Category 7: Test

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Do you have any comment on the "**Test**" category

5 responses

no

I don't have

No



Do you agree on referring to this category as **"Test"**?

8 responses

yes

Okay

Yes

I agree

Agreed

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