# Performance Testing Questionnaire

The questions below are intended to provide information on how Appian applications will be deployed within your organization’s information technology environment and how that environment will impact performance testing of those applications. Your responses will provide guidance for follow up tasks including the establishment of performance criteria, test plan development, and test execution.

## Appian Environment

Note: Appian Cloud customers should contact their Account Executive to request additional environments or changes to existing environments.

**1. What is the URL of the Appian environment where performance testing will be conducted?** Testing tools will access this Appian installation in order to simulate user activity.

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**2. Is this a dedicated performance testing environment?** A dedicated environment is reserved exclusively for performance testing and is not shared with production, development, or other QA activities that may interfere with performance test scheduling or results. If there are other uses for this environment please explain them below.

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**3. Is this a replica of the production environment?** Appian recommends a production-replica environment to ensure that test results are an accurate prediction of production performance. An exact replica of production should have the same number and type of servers, the same software, etc. This includes any external components like databases or web services. If there are differences between the performance test environment and the production environment please explain them below.

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**4. Attach physical and logical diagrams for the production and performance test environment to this questionnaire.** The diagrams should explain the components that interact with Appian and how they are connected to each other. Relevant details include server hardware/software, network architecture, and end-user devices.

**5. Are there external factors outside of your organization’s control that may impact application performance?** Third-party integrations and mobile network latency are two common examples. If these factors apply to your application please explain how they interact with Appian below.

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**6. Does this environment use LDAP, SAML, or any other custom authentication method?** By default Appian manages user accounts internally and has its own login page. Custom authentication and external identity providers will need to be taken into account by the test design. If the environment does not use standard authentication, please describe the custom authentication design below.

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## Application Users

**7. Will the application be used by more than 100 users at the same time?** How many users will be interacting with the application at the same time rather than the total number of users. Provide an answer based on the period of highest usage.

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**8. What portion (%) of users will be logged in from a mobile device?** Simulating activity for both web and mobile users requires separate test scenarios and will need to be taken into account by the test design.

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## Test & Monitoring Tools

**9. Does your organization already use any client load generation tools (eg: JMeter)?** These tools simulate user activity and record application performance metrics. Appian typically uses Apache JMeter which is a free, open-source tool. If your organization currently uses any of these tools, please list them below.

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**10. Does your organization already use any server monitoring tools to capture resource utilization metrics?** These tools measure the impact of application activity on resources like CPU, memory, disk space, etc. If your organization currently uses any of these tools, please list them below.

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**11. Do members of the project team have experience with the available tools?** Please describe the level of expertise for each tool.

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