**Day 5 - Testing and Backend Refinement**

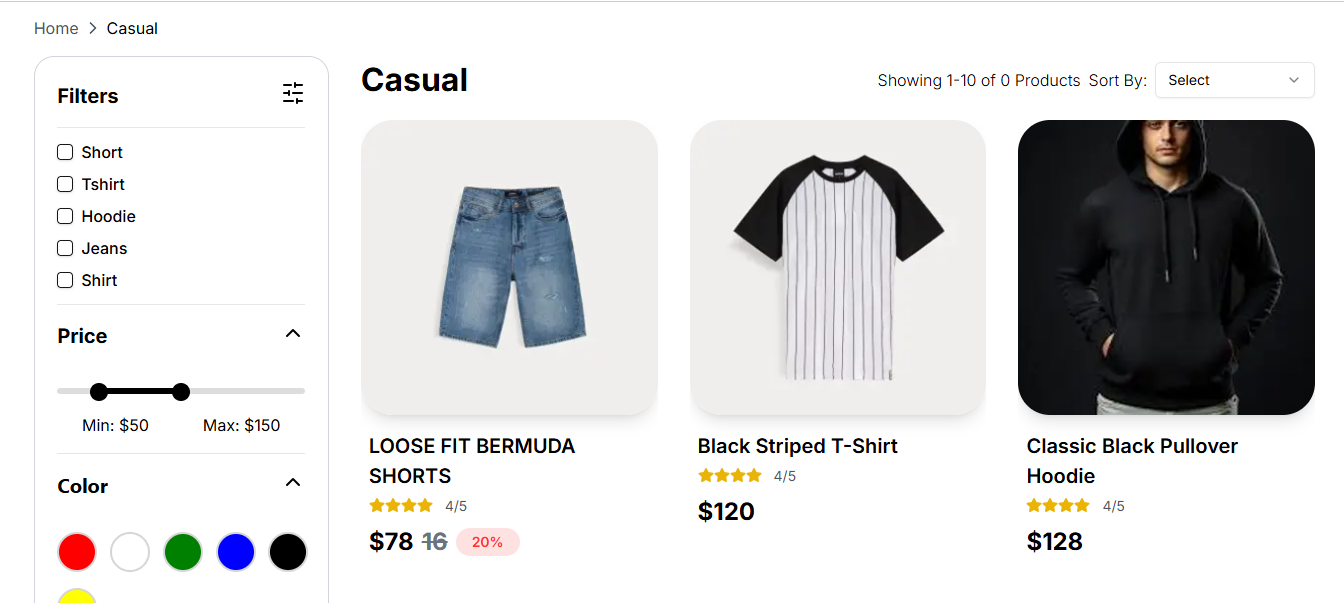
**General E-Commerce**

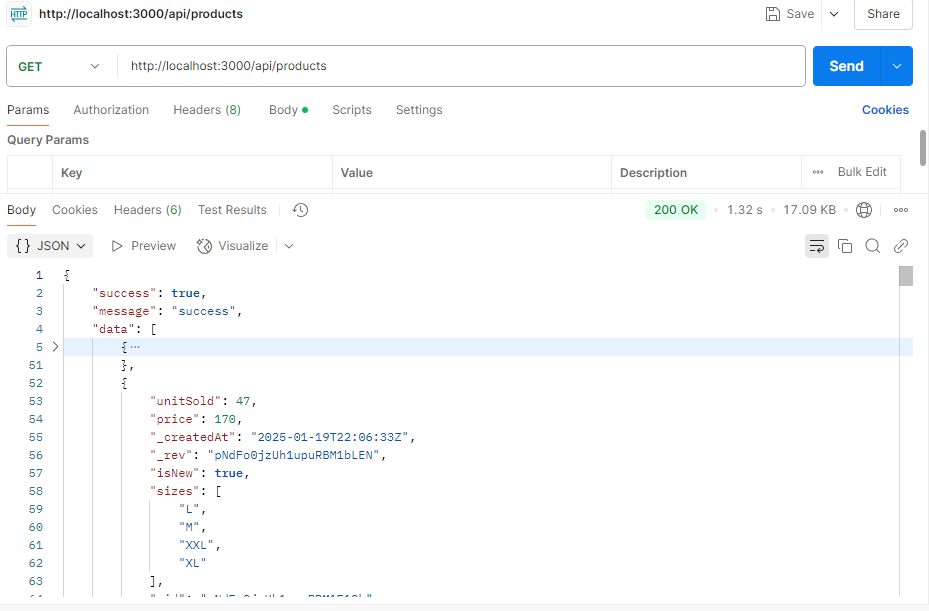
**Objective:**

The objective of this document is to ensure that the General E-commerce platform is fully tested, optimized, and ready for deployment. It focuses on testing all core functionalities, implementing robust error handling, and improving performance for a seamless user experience. The document also ensures cross-browser and device compatibility while maintaining strong security measures. Additionally, it provides structured documentation and a detailed testing report for review and future reference.

**Product Listing:**

* The product listing successfully displays products, showing essential details such as name and price.
* Products can be filtered based on categories, price range, colors, and sizes. Additionally, products can be sorted in multiple ways, including low to high, high to low, A to Z, and Z to A.
* The search functionality allows users to find products by validating search queries based on product names.



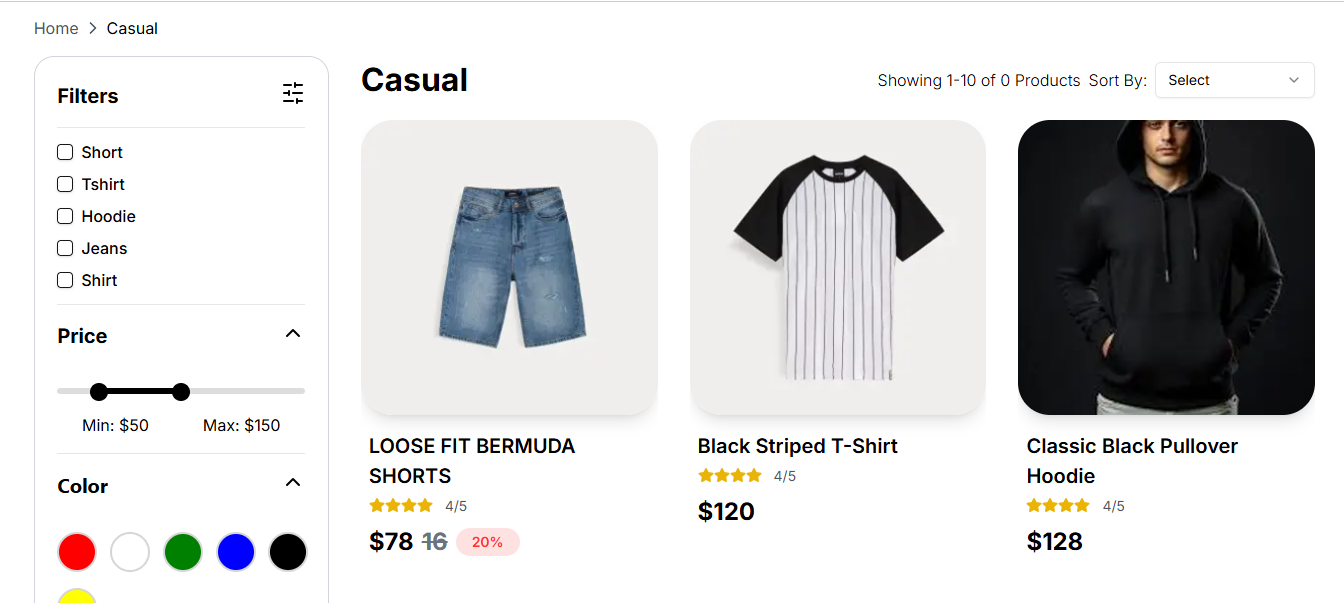


**Performance Optimization:**

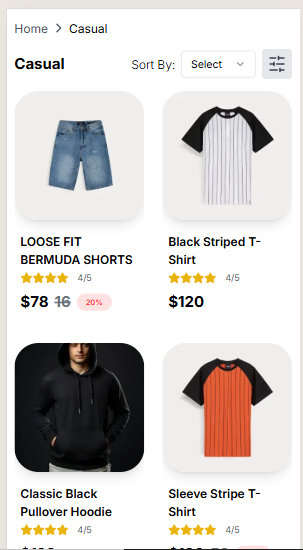
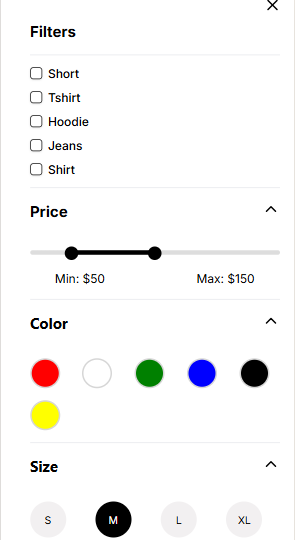
**Installation Process:**

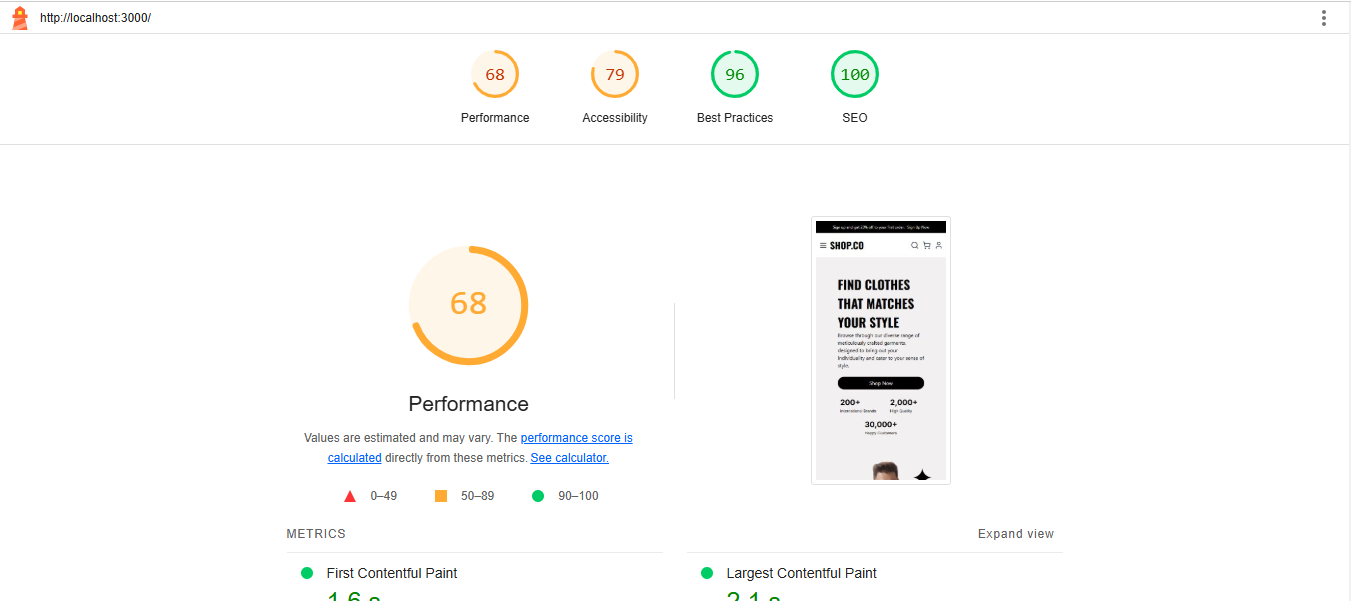
* npm install -g lighthouse
* lighthouse http://localhost:3000: --view

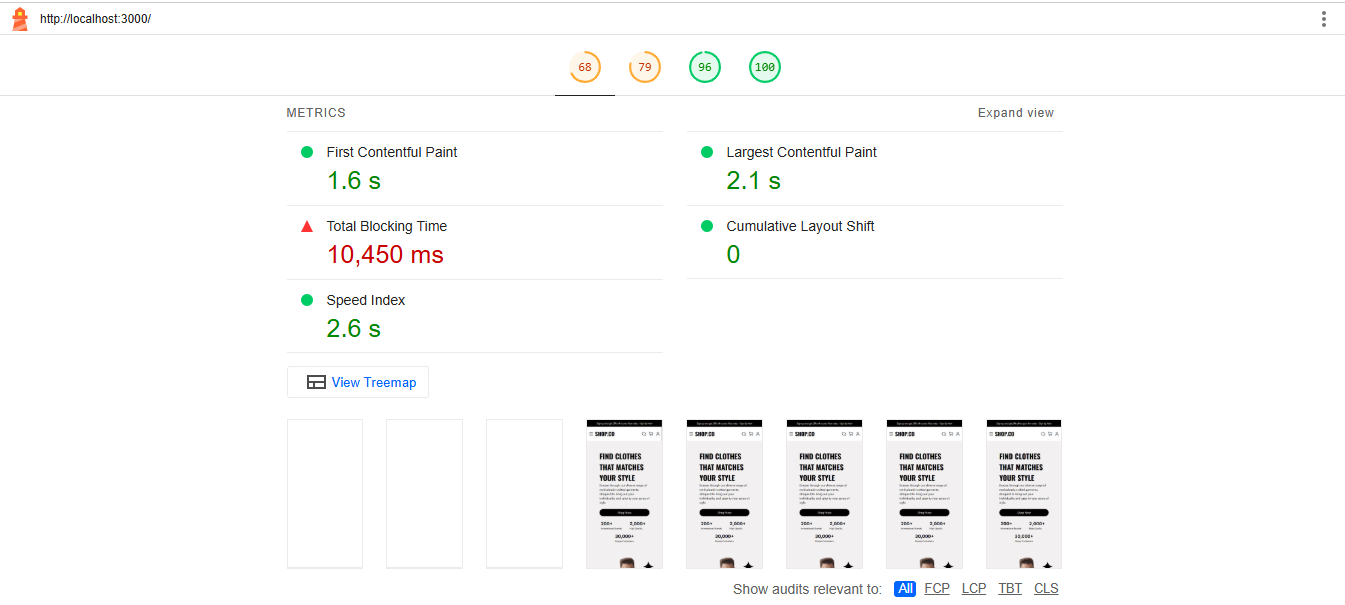
**Desktop View:**

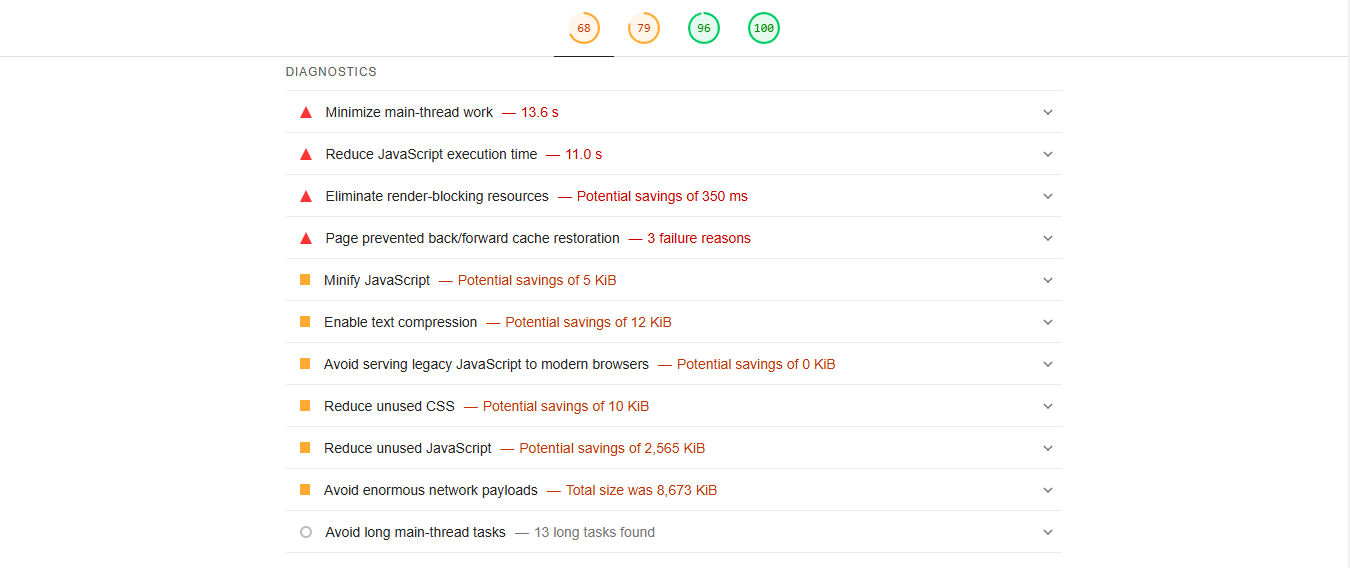


**Mobile View**

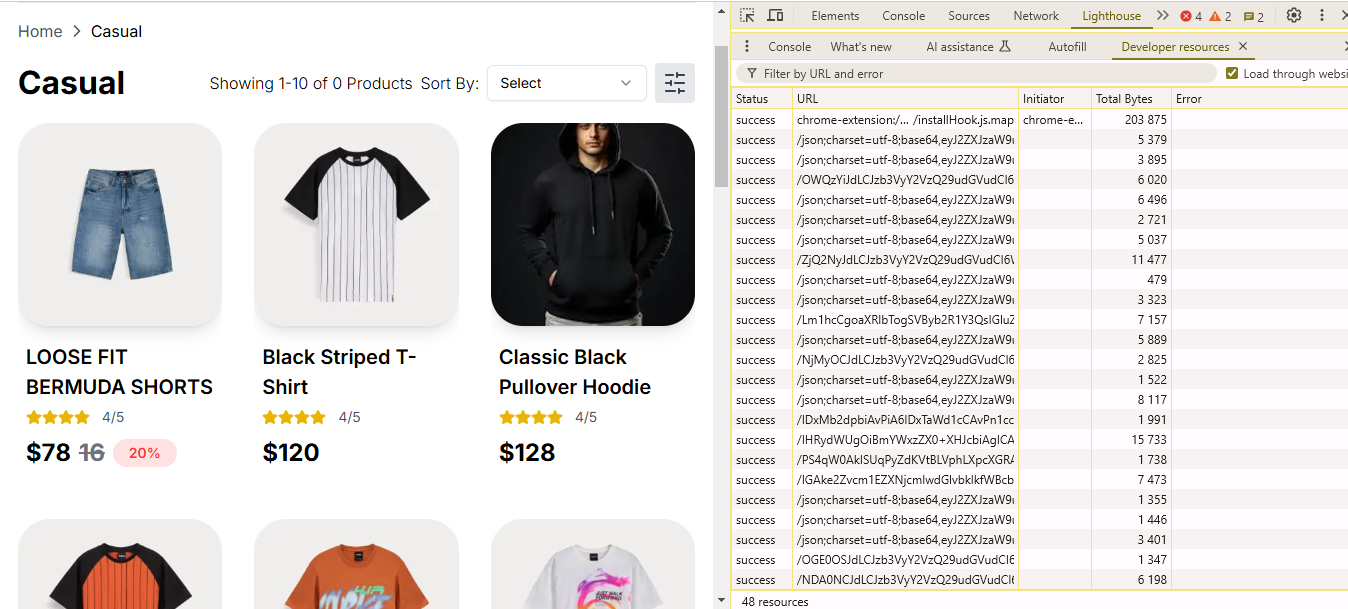
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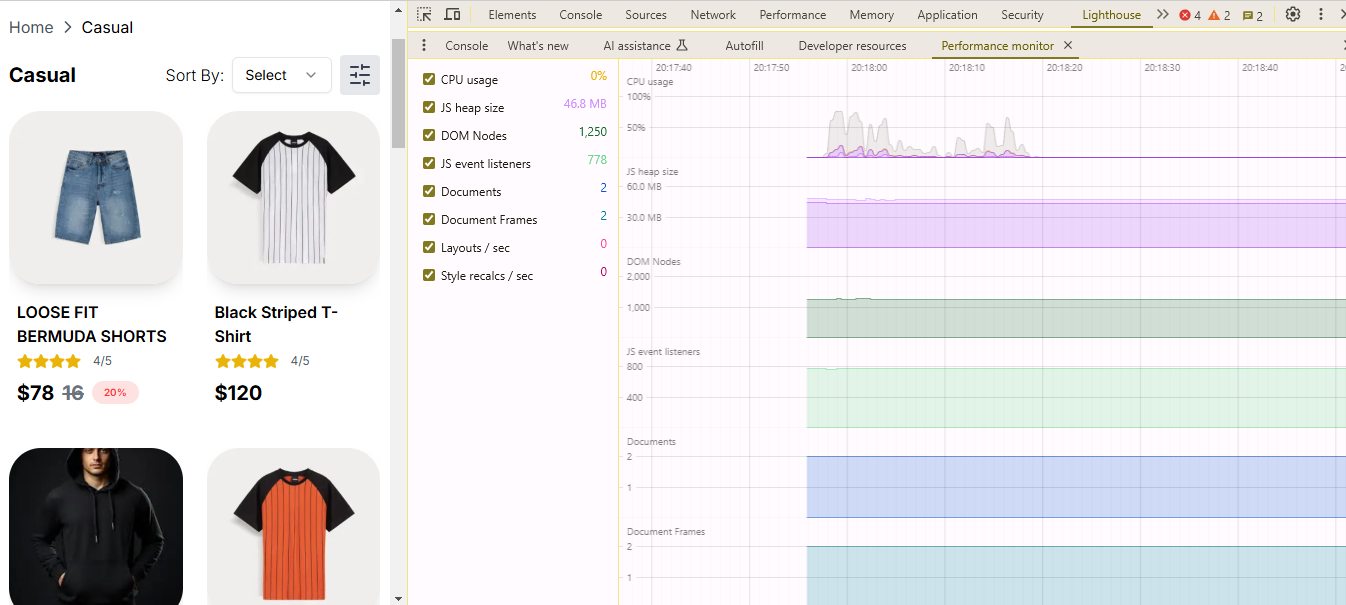
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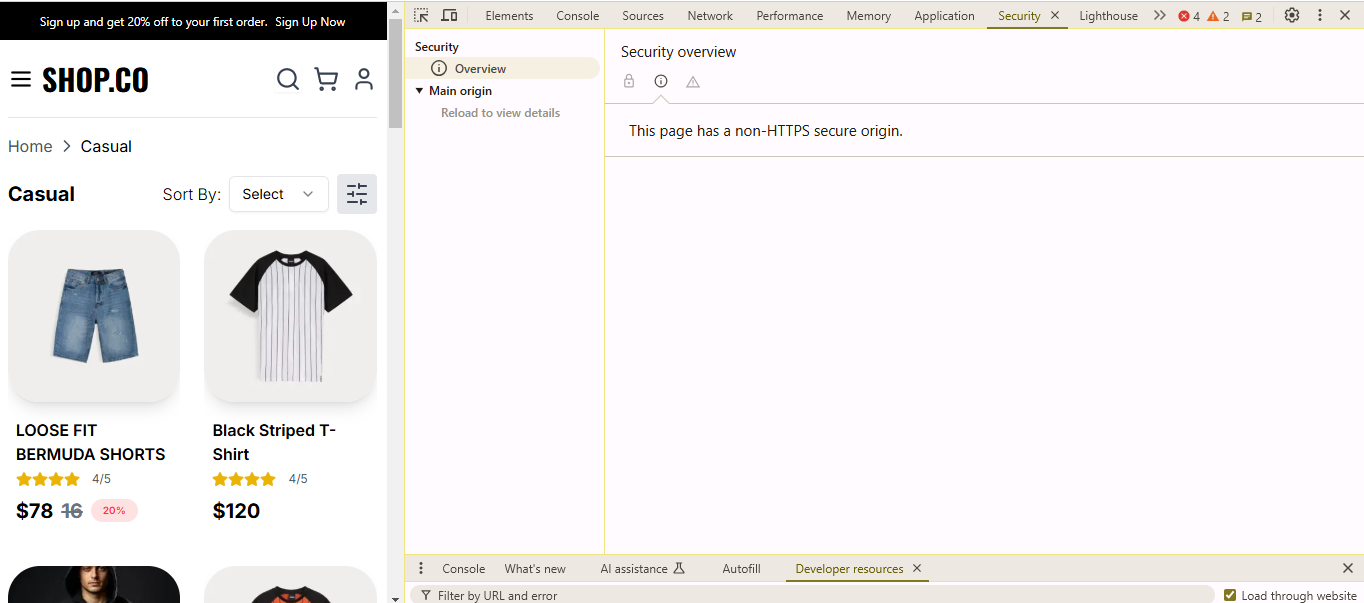
**Developer Resources:**

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**Performance Monitor:**

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**Security:**

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