|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Criteria** | **Server-side rendering** | **Client-side rendering** | **Static Site Generation** | **Incremental Static Regeneration** |
| Server-side processing | Checkmark | Close | Checkmark | Checkmark |
| Client-side processing | Close | Checkmark | Close | Close |
| JS-based | Close | Checkmark | Close | Close |
| Server resource-heavy | Checkmark | Close | Close | Close |
| Client resource-heavy | Close | Checkmark | Close | Close |
| Html-based | Checkmark | Close | Checkmark | Checkmark |
| DOM Manipulation | Close | Checkmark | Close | Close |
| Distributed application load | Close | Close | Checkmark | Checkmark |
| Request server round-trip | Checkmark | Close | Close | Close |
| Search Engine Friendly | Checkmark | Close | Checkmark | Checkmark |
| Single-page application | Close | Checkmark | Close | Close |
| Browser-dependent | Close | Checkmark | Close | Close |
| Meaningful page data load | Checkmark | Close | Checkmark | Checkmark |
| Large User-base | Close | Close | Checkmark | Checkmark |
| Build-time generation | Close | Close | Checkmark | Checkmark |
| Pre-rendered Server html | Checkmark | Close | Checkmark | Checkmark |
| CMS-friendly | Close | Close | Checkmark | Checkmark |
| Static Content / Stale data | Close | Close | Checkmark | Checkmark |
| Most Fresh Data | 1 | 2 | 4 | 3 |
| CDN-friendly | Close | Close | Checkmark | Checkmark |
| Highly secure | Close | Close | Checkmark | Checkmark |
| Dynamic content | Checkmark | Checkmark | Close | Checkmark |
| Template-driven | Close | Close | Checkmark | Checkmark |
| Separate html per url | Checkmark | Close | Checkmark | Checkmark |
| LoB application | Close | Checkmark | Close | Close |
| Heavy on API calls | Checkmark | Checkmark | Close | Close |
| Update data in intervals | Close | Close | Close | Checkmark |
| Modern approach | 4 | 3 | 2 | 1 |
| Traditional Technology Example | Asp.net mvc | React | Vercel/NextJS | Vercel/NextJS |
| NextJS Functions | getServerSideProps | useEffect | getStaticPaths/ getStaticProps | revalidate in getStaticProps |

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