

Nintendo Co., Ltd. Case Study: IncrediBuild and Mario Kart 7

For development of “**Mario Kart 7,**” a **Nintendo 3DS-dedicated software title,** we have introduced IncrediBuild developed by Xoreax as a solution to accelerate build speed, and have thereby achieved the following benefits, resulting in major reductions in costs and development time.

The development of popular Nintendo games is a never-ending battle against time!

(1) Improved Work Efficiency and Reduced Stress

The time consumed by builds has been reduced from the previous 27 minutes to 3 minutes. This has led to major improvements in development team work efficiency and reductions in levels of stress. In the case of Mario Kart 7, the code for Download Play also has to be built, so the introduction of IncrediBuild has enabled even further major reductions in build time.

(2) After simple installation, VSI-CTR is ready for use

Although development was previously done only with VSI-CTR, the Nintendo 3DS integrated development environment, all that is required now with IncrediBuild^{*1} is installation, and the software is ready for use. In addition, switching between enabling and disabling IncrediBuild is simple. These benefits result in extremely high affinity in the development environment.

*1: The IncrediBuild Solution for Nintendo 3DS is also required. In addition, to purchase the product, the appropriate agreements must be signed with Nintendo

(3) Number of CPU's in Parallel after Introduction of IncrediBuild

After initial introduction, the number of CPU's was gradually increased so that on average, 20 – 30 builds were in progress simultaneously. In addition, when CPU's are not in use, a maximum of 60 builds can be performed simultaneously,

demonstrating truly outstanding performance.

(4) Regarding IncrediBuild Operation

As detailed above, benefits are not limited to major reductions in development costs and time. On the operational side, you can simply increase the number of agents and manage all of elements such as updates and license status together, so time-consuming and labor-intensive tasks are unnecessary.

(5) Reason for Choosing IncrediBuild

IncrediBuild was already in use in the same department for their code build acceleration and had demonstrated better test results internally. Therefore, it was decided to adopt IncrediBuild for this project as well.



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