



Software tools for efficient Notes® development and simple, secure administrator control

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Teamstudio® Build Process Consultancy

Good Practices for a Well-Designed Build Process

- > Defines a well-designed build process based on good practices
- > Ensures your build process can be automated
- > Establishes a roadmap to an efficient, repeatable and well controlled build process

The build process is the sequence of steps required to turn the development version of your application into a shippable version. A well designed process allows the organization to deploy applications into the QA and production environments in a fast and repeatable way while maintaining proper control over version number and security settings. The process should respect the organization's need for adequate segregation of duties and not be open to human error or rely on particular individuals.

In most application development environments, other than Domino, the route to achieving best practices in the build process is eased partly by the technical nature of the builds, and partly by the variety of tools and guidance available.

However, in the Domino® development environment, there is no inherent structure that enforces a robust, repeatable process. IT professionals who have managed development environments principally in Domino may have few points of reference. This leaves organizations wishing to achieve best practice in this area facing the problem of build process design without either map or compass.

Issues

The fundamental questions facing a Domino team designing their build process include:

General Process Requirements:

- What major environments will be defined in the process – e.g. development, QA and production?
- How frequently do your applications change per day/week/month?
- Is there any desire to be able to involve QA earlier in the development process?
- Is there a requirement for teams in different parts of the organization to be involved in the process, and if so how will you ensure this does not affect the efficiency of the process?

Internal Control:

- Are you currently making development changes in live applications? Is there any desire to prevent this from happening?
- How do you ensure separation of duties between those responsible for development, testing and use of the application?
- Will you be using the build process to implement version control over your applications?

Development Good Practices:

- To what extent will you use design templates to enable the deployment of design changes independent of the data?
- What system of internal control will you apply to ensure the build process is carried out to the same standard every time?

Audit Compliance:

- How important is it for you to have an audit trail of changes made between different versions of the production application?
- How will you be able to satisfy the requirements of any internal or external auditors in terms of proof of segregation of duties, provision of audit trails, etc.?

Security:

- To what extent do you wish to use the build process to check and correct the security settings being rolled out to production?
- How will you set up your hierarchical structure of signing ids, separate from the developer/user ids, to sign code as authorized to execute?

Related services:

[Asset Analysis](#)



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Just Enough Governance for Notes®

*Software tools for efficient
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Why Teamstudio?

- Experienced consultants ready to apply good practices to your specific situation
- Knowledge of process design for compliance with regulatory requirements
- Independent expert, reconciling internal conflicts
- Prepare processes for later automation if required

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Good Practices for a Well-Designed Build Process

Teamstudio Build Process Consultancy:

Teamstudio Consulting works with clients to define a well-designed build process that exhibits efficiency, repeatability, and control. We come equipped with a sound understanding of good practices coupled with a huge base of experience of helping organizations apply these principles practically to their particular circumstances. As an independent third party voice we are able to help larger organizations reach consensus on issues where individual teams may have different views.

Our experts add value by:

- Arriving armed with a good practices framework successfully implemented many times in the field.
- Applying the experience of numerous prior real world build process projects.
- Understanding your requirements and then devising solutions to overlay good practices onto these processes.
- Acting as an independent voice in reconciling differing views within your teams.
- Ensuring that your build process can be automated using Teamstudio Build Manager if desired.

Key Capabilities

With a Build Process Consultancy Teamstudio consultants will:

- Review your current build process, if you have one
- Identify key issues
- Define and document a new build process
- Define a process for implementation of the new process

The Teamstudio Advantage

Teamstudio consultants:

- Have years of expertise defining build processes
- Can offer an independent voice in reconciling differing views within your organization
- Can ensure your build process can be automated using Teamstudio Build Manager, if that is your objective