

NUCLEUS

Technical Building Blocks™ - Improving access to information

Modernize and transform legacy applications

- Improve Security – account, file, item or field - by group or user
- Modern interfaces: GUI, .NET, VB, Web as well as Text support
- Enable **SOX** compliance. Secure, auditable and easily managed
- Re-use existing business logic
- Easily add lookups, drill-downs and validations
- Transform PROC's to secure GUI applications
- Integrate messaging and email – even with dumb terminals

GUI, Green-screen or Web - same “rules” and logic

- VB, Java, C#, .NET, Active X, Plone, Web Objects and more

Rapid Development - Rapid Deployment

- Speed deployment using Nucleus / NRG
- Built-in audit trails, security and governance controls
- Full life cycle management - Develop, QA/Test and Deploy
- Easily manage “build sets”, source code and distributions
- Add on-line help at any level
- Protect your software investment with Integrated Source Code Control
- Drastically reduce training time of new employees
- Enable rapid rollout of Business Intelligence and Data Warehousing applications



Accomplishing more with less

- Productivity improvements of 200% to 500% are not uncommon
- Nucleus applications are easy to maintain, modify, enhance and support
- Deliver solutions quickly, without abandoning investments in current applications and systems

Migration assistance and technical services

Migration assistance is available. Binary Star has extensive experience transforming legacy MV applications to Nucleus. We have an arsenal of utilities to migrate System Builder, and other 4GL's. Migration becomes extremely cost effective with applications that are distributed to many sites, or in highly customized applications supporting a large user base.

Information Interface / Connectivity

Nucleus Query Language (NuQL) provides a standardized information interface and common vocabulary connecting both normalized (flat) and Extended Relational (Pick/Pick-like) multi-dimensional structures, extending the capabilities, and the life span of Multi-Dimensional enterprise environments. Update rules are easily defined using Nucleus “rule-sets”, providing data validations and enforcing referential integrity.

Application Developers, VARS and resellers

Join our partnership program and stop losing sales to less functional but “pretty” competitors. Extensive training and certification programs ensure rapid rollouts.

Register to win a FREE 19 inch flat-screen LCD monitor.



Binary Star Development Corporation

fill in the registration form at. <http://www.binarystar.com>

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Technical Building Blocks – Evolution without revolution

Building Blocks	Description and comments
Application Development	<ul style="list-style-type: none"> <input type="checkbox"/> Rapidly design and deliver feature-rich applications – GUI, green-screen and Web. <input type="checkbox"/> Business logic is separated from presentation logic enabling multiple interface styles. <input type="checkbox"/> Data Dictionaries define links to data fields in Screens and Reports. <input type="checkbox"/> Identical rules are followed for GUI, character-based color or dumb terminal formats. <input type="checkbox"/> GUI screens use standard Windows controls (list boxes, radio buttons, etc.) <input type="checkbox"/> Automatic record locking. Multiple users may view the same item. <input type="checkbox"/> Multiple client-side interface options exist – all use the same logic!!
Head Start	<ul style="list-style-type: none"> <input type="checkbox"/> Demo/Training account includes a prototype CRM application with all source code.
Source Code And Version Control	<ul style="list-style-type: none"> <input type="checkbox"/> Version control and change propagation controls. <input type="checkbox"/> <u>Non-intrusive</u>, fully-integrated, change and patch management. <input type="checkbox"/> Full life cycle management and promotion controls. Extensive reporting. <input type="checkbox"/> Libraries are updated transparently as items are released from Source Code Control. <input type="checkbox"/> Prevents programmers from stepping on one-another's work. <input type="checkbox"/> All ASCII files can be managed. BASIC code, HTML, Java, DICTS, \$INCLUDES, etc
File Management	<ul style="list-style-type: none"> <input type="checkbox"/> A secure File control system defines, creates and documents file purpose <input type="checkbox"/> Files are created in proper modulo, either local or remotely <input type="checkbox"/> B-tree indices, data "bindings" and lookup screens are automatically created.
Dictionary Management	<ul style="list-style-type: none"> <input type="checkbox"/> Integrated environment for maintaining data dictionaries – no need to ED DICT <input type="checkbox"/> Screen Field definitions (properties) are maintained separately from DATA Dict's, <input type="checkbox"/> DATA Dictionaries may be "A" or "S" types as well as Prime style "D" and "I" types.
Security	<ul style="list-style-type: none"> <input type="checkbox"/> Secure any file, verb, screen, menu, printer, function, process, etc. <input type="checkbox"/> Unix style security model (owner, group, other) simplifies security administration <input type="checkbox"/> Enforce security down to the field level by group or individual user permissions <input type="checkbox"/> Security controls exist at screen and field levels. Protect, disable or even hide
Full-screen Editor	<ul style="list-style-type: none"> <input type="checkbox"/> Full-screen, full-color, editor - designed with the programmer's needs in mind. Search/cut/paste, merge, import, format, auto-compile, catalog and more <input type="checkbox"/> Language key word highlighting for syntax recognition. <input type="checkbox"/> Syntax completion and argument auto-completion for called subroutines. <input type="checkbox"/> Built-in code formatter with style options, print utilities, macro language <input type="checkbox"/> Drill-down to INCLUDES, EXECUTEs CALLED subroutines to View or Edit. <input type="checkbox"/> Direct access to TCL with "easy return"
Unix-style Shell processor	<ul style="list-style-type: none"> <input type="checkbox"/> Command stack is automatically maintained for each user. NOT based on port#. <input type="checkbox"/> History maintained of commands used. Stack size can be changed <input type="checkbox"/> Access to Nucleus shell processor is controlled through user security.
Forms	<ul style="list-style-type: none"> <input type="checkbox"/> MvLaser API (interface) can eliminate the need to buy pre-printed forms
Messaging network	<ul style="list-style-type: none"> <input type="checkbox"/> Message waiting alert. Messages may be sent to one, group(s) or many users. <input type="checkbox"/> Private messaging network – reduces phone-tag and eliminates 'playing on the web'.
Help system	<ul style="list-style-type: none"> <input type="checkbox"/> Fully integrated help system for storing, accessing, updating and displaying help. <input type="checkbox"/> Context based help can be defined for any menu, screen or individual field
Learning Curve	<ul style="list-style-type: none"> <input type="checkbox"/> Be productive in hours, comfortable in days, expert in a few months
Administration	Administrative utilities securely manage ALL user accesses and provide auditability
Discovery Tools	Extensive mapping and discovery utilities. Map files, application use, calls, executes, etc.
Web Enabling Technology	Nucleus StarSite web technology enables Web applications to use the same business "rules" and follow the same logic used by telnet based applications
Pathways	<ul style="list-style-type: none"> <input type="checkbox"/> UniObjects, .NET / C#, jObjex, Java, XML, QM Objects, Plone, Web Objects, Cache

Binary Star Development Corporation

1640 Riverland Road, Ft Lauderdale, Florida 33212 USA

Toll-Free: 1-866-882-1888 (usa) or +1 (954) 791-8575

<http://www.binarystar.com> email: info@binarystar.com

Nucleus – Improving Access to Information™

Supporting Multi-dimensional databases including IBM UniVerse, IBM UniData, D3, QM, Reality X and others.

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