



IBM System i™

## System i 570 Capacity BackUp Edition

Steve Finnes 07/23/07  
System i Business Resilience Product Manager  
[finnes@us.ibm.com](mailto:finnes@us.ibm.com)

*i want to be ready for whatever tomorrow brings.  
i want control.  
i want an **i**.*

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# Operational Efficiency for Enterprise Clients

- **POWER6 System i 570**
  - A powerful and highly versatile system for enterprise business processing
- **Simplified structure, easily customized**
  - Single i5/OS Edition replaces Standard/Enterprise
  - Flexible option for 5250 Enterprise Enablement
  - Supports i5/OS V5R4, AIX & Linux
  - Includes System i Access and offers Optimum Care
- **Granular, non-disruptive growth**
  - Modular, 4-way nodes: 1/4, 2/8, 4/16-way
  - Single P30 software tier
  - Capacity on Demand Processor/Memory
- **Breakthrough performance and efficiency of POWER6**
  - IBM's state-of-the-art 4.7 GHz POWER6 processors
  - The fastest micro-processor ever built
  - Delivering up to 2X performance versus POWER5\*



\* Performance varies by workload, +72% for CPW

# POWER6 System i 570 CBU Edition

## ■ Offering for:

- Dynamic HA environments
- Simple DR environments

## ■ Offering Features

- *Optional* 5250 OLTP capability
- Attractively priced hardware maintenance
- P30 software tier and associated SW maintenance

## ■ Offering enables:

- Optional 5250 Enterprise Enablement Features
- Optional permanent processor activations
- Temporary transfer of i5/OS processor license entitlements from primary to CBU system\*
- Temporary transfer of Enterprise Enablement entitlements\*\* from primary to CBU system
- MES model upgrades into CBU Edition from System i CBU editions



## Prerequisites

- Primary server must be a model 570 or a model 595 (see tables or registration website for supported pairs)
- If primary has 5250 OLTP capability customer needs to purchase at least one 5250 Enterprise Enablement feature for the CBU
- Registration of primary system and CBU Edition is required prior to CBU order (new box or MES upgrade) being manufactured:
- For more information see [www.ibm.com/systems/i/hardware/cbu](http://www.ibm.com/systems/i/hardware/cbu)

\* See speaker notes

# System i POWER6 570 CBU Edition Content

- **Function**

- Support for Multiple Operating Systems (i5/OS, AIX 5L, and Linux)
- Optional 5250 Enterprise Enablement Features
- Support for Web Modernization (enhanced WebFacing support)
- Support for Dynamic Logical Partitioning
- Support for Capacity on Demand

- **Software**

- Licensing for i5/OS (two for 2/16 way, one for the others)
- e-business Solution Tools (none)
- Datacenter Management Tools (none)

- **Services/Education**

- Vouchers: none

## Temporary Transfers of i5/OS and Enterprise Enablements

**Before you place your order !!**

### Register Primary System and CBU System

- Primary system must be a model 570/595
  - Primary system must be equal to or larger than the CBU Edition system (see attached charts for a quick reference : registration website defines supported pairs)
  - Declare how many “role swap processors”
  - Sign license agreement
- **Temporarily\* transfer i5/OS and enterprise enablement processor entitlements for Planned outage roll swaps**
    - Unplanned outage failover
    - Testing
    - Whole system or part of system. Example: move i5/OS & EE for just one partition assuming associated i5/OS or 5250 resource for that partition not in use on primary
  - **Note, processor activations can NOT be transferred. Processor activations require either**
    - On/Off Capacity on Demand (which includes i5/OS licensing and Enterprise Enablement and does not require temporary entitlement transfers)
    - Permanent processor activations

*temporary means as long as the primary and CBU are paired together*



**Register at:**

<https://www.ibm.com/systems/i/hardware/cbu>



# POWER6 570 CBU

|   | POWER5<br>CBU<br>Edition | POWER6<br>CBU<br>Edition |
|---|--------------------------|--------------------------|
| <b>Disaster Recovery</b>  | Yes                      | Yes                      |
| <b>High Availability</b>  | Yes                      | Yes                      |
| <b>Solutions/options which allow edition to be ordered:</b>             |                          |                          |
| HA ISV Solutions  | Yes                      | Yes                      |
| Independent Auxiliary Storage Pools                                     | Yes                      | Yes                      |
| Cross Site Mirroring (XSM)  | Yes                      | Yes                      |
| IBM DS8000  | Yes                      | Yes                      |
| <b>Optional Enterprise Edition Features</b>                             | No                       | Yes                      |
| <b>Reduced Price Hardware Maintenance Agreement</b>                     | No                       | Yes                      |
| <b>Permanent processor activations</b>                                  | Yes                      | Yes                      |
| <b>Temporary i5/OS, AIX 5L, Linux entitlement transfers</b>             | Yes                      | Yes                      |
| <b>Temporary transfer of IBM IPLA entitlements (passport advantage)</b> | Yes                      | Yes                      |
| <b>Temporary enterprise enablement entitlement transfers</b>            | Yes                      | Yes                      |
| <b>Pre-requisite of a 570 or 595 as primary system</b>                  | Yes                      | Yes                      |
| <b>Registration of primary system to qualify</b>                        | Yes                      | Yes                      |
| <b>No charge On/Off CoD if primary system down by disaster</b>          | Yes                      | Yes                      |
| <b>Primary system must be same size or larger</b>                       | Yes                      | Yes                      |

## HA/DR ISV Enhanced CBU Companion Offers

| Solution Provider    | Companion Offer              | Website URL  |
|----------------------|------------------------------|--|
| IBM                  | XSM (Cross Site Mirroring)   | <a href="#">companion offering</a>   |
| IBM                  | Copy Services                | <a href="#">companion offering</a>   |
| IBM DataMirror       | DataMirror iCluster for CBU  | <a href="http://www.datamirror.com/cbu">www.datamirror.com/cbu</a>                           |
| Maximum Availability | NoMax CBU                    | <a href="http://www.maxava.com/cbu">www.maxava.com/cbu</a>                                   |
| Trader's             | Quick EDD CBU Edition        | <a href="http://www.quick-edd.com/uk/promos_ibm.htm">www.quick-edd.com/uk/promos_ibm.htm</a> |
| Vision Solutions     | iTera HA, MIMIX HA, ORION HA | <a href="http://www.visionsolutions.com/cbuoffer">www.visionsolutions.com/cbuoffer</a>       |

To activate hyperlinks, view in Screen Show mode

## You Should Buy the Power6 570 CBU Edition If

- **You need an economic system for your HA or DR project**
  - Start out simple with a low-cost data recovery deployment
  - Replace your existing backup system with a new CBU
  
- **You want to in-source your disaster recovery services**
  - Check out the price/value equation for the new CBU
  
- **You want to back up your AIX & Linux environments**
  - You don't need to purchase i5/OS or Enterprise Enablement's for processors backing up AIX or Linux



## System i POWER6 570 Edition Summary

|               | Server Feature | Edition Feature | Processor Feature          | Base Processor Activation | Base i5/OS Processor Licenses | Base 5250 Enterprise Enablements | Software License Group |
|---------------|----------------|-----------------|----------------------------|---------------------------|-------------------------------|----------------------------------|------------------------|
| Base 1/4 Way  | 4910           | 5460            | 1x 7380<br>500-21200 CPW   | 1                         | 1                             | 0                                | P30                    |
| Base 2/8 Way  | 4911           | 5461            | 2x 7380<br>10800-40100 CPW | 2                         | 1                             | 0                                | P30                    |
| Base 4/16 Way | 4912           | 5462            | 4x 7380<br>20100-76900 CPW | 4                         | 1                             | 0                                | P30                    |
| CBU 1/4 Way   | 4910           | 7053            | 1x 7380<br>5500-21200 CPW  | 1                         | 1                             | 0                                | P30                    |
| CBU 1/8 Way   | 4911           | 7058            | 2x 7380<br>5500-40100 CPW  | 1                         | 1                             | 0                                | P30                    |
| CBU 2/16 Way  | 4912           | 7063            | 4x 7380<br>10800-76900 CPW | 2                         | 1                             | 0                                | P30                    |

## Registering an Order for a CBU Edition

- **An order for a new CBU Edition must be registered prior to order fulfillment**
  - Register at [www.ibm.com/systems/i/hardware/cbu](http://www.ibm.com/systems/i/hardware/cbu)
- **Customers must sign a new license agreement**
  - Electronically in most cases or by fax if necessary
- **The order will be scheduled for manufacture only after the system has been registered and the signed license agreement has been approved by IBM**

### System i Capacity BackUp Registration

#### Registration form

The System i Capacity BackUp Editions are designed to enable a new i5 system to act as a backup system in a high function, high availability or disaster recovery environment. To be eligible for this offering, you must provide the following information about your installation and accept the terms and conditions of the offering requested in the registration process below, prior to the shipment of your System i CBU Edition.

#### Client information

- \* Name:
- \* E-mail:
- \* Country:
- \* Phone number: (including country code)
- \* Fax number: (including country code)

#### Company information

- \* Company Name:
- \* IBM Customer Number of Primary System i5:

#### Hardware information

- \* Select Your Primary system:
- \* Primary system Serial #: (or Plant Order # if on order)

## Additional Information

## Power6 CBU & Eligible Primaries

| <b>CBU</b>  | <b>Eligible Primaries</b>   |
|---|---|
| <p>570 1/4-way 4.7 GHz<br/>(5500-21200 CPW )<br/>i5/OS CBU 7053</p> | <p>570 2/4-way 2.2 GHz (8400-16000 CPW) Enterprise 7747<br/>           570 2/4-way 2.2 GHz (8400-16000 CPW) Standard 7757<br/>           570 4/8-way 2.2 GHz (16700-31100 CPW) Enterprise 7748<br/>           570 4/8-way 2.2 GHz (16700-31100 CPW) Standard 7758<br/>           570 5/8-way 1.65 GHz (15200-23500 CPW) Enterprise 7472<br/>           570 5/8-way 1.65 GHz (15200-23500 CPW) Standard 7471<br/>           570 8/16-way 2.2 GHz (31100-58500 CPW) Enterprise 7749<br/>           570 8/16-way 2.2 GHz (31100-58500 CPW) Standard 7759<br/>           570 9/12-way 1.65 GHz (25500-33400 CPW) Enterprise 7474<br/>           570 9/12-way 1.65 GHz (25500-33400 CPW) Standard 7473<br/>           595 16/32-way 1.65 GHz (46000-85000 CPW) Enterprise 7499<br/>           595 16/32-way 1.65 GHz (46000-85000 CPW) Standard 7498<br/>           595 16/32-way 1.9 GHz (51000-92000 CPW) Enterprise 7483<br/>           595 16/32-way 1.9 GHz (51000-92000 CPW) Enterprise 7904<br/>           595 16/32-way 1.9 GHz (51000-92000 CPW) Standard 7482<br/>           595 16/32-way 1.9 GHz (51000-92000 CPW) Standard 7903<br/>           570 13/16-way 1.65 GHz (36300-44700 CPW) Enterprise 7476<br/>           570 13/16-way 1.65 GHz (36300-44700 CPW) Standard 7475</p> |

## Power6 CBU & Eligible Primaries

| CBU   | Eligible Primaries   |
|---|--|
| <p>570 1/4-way 4.7 GHz<br/>(5500-21200 CPW )<br/>i5/OS CBU 7053</p> | <p>595 32/64-way 1.65 GHz (86000-165000 CPW) Enterprise 7985<br/>           595 32/64-way 1.65 GHz (86000-165000 CPW) Standard 7984<br/>           595 32/64-way 1.9 GHz (92000-184000 CPW) Enterprise 7487<br/>           595 32/64-way 1.9 GHz (92000-184000 CPW) Enterprise 7907<br/>           595 32/64-way 1.9 GHz (92000-184000 CPW) Standard 7986<br/>           595 32/64-way 1.9 GHz (92000-184000 CPW) Standard 7906<br/>           595 8/16-way 1.65 GHz (24500-45500 CPW) Enterprise 7497<br/>           595 8/16-way 1.65 GHz (24500-45500 CPW) Standard 7496<br/>           595 8/16-way 1.9 GHz (26700-50500 CPW) Enterprise 7481<br/>           595 8/16-way 1.9 GHz (26700-50500 CPW) Enterprise 7901<br/>           595 8/16-way 1.9 GHz (26700-50500 CPW) Standard 7480<br/>           595 8/16-way 1.9 GHz (26700-50500 CPW) Standard 7900<br/>           595 8/16-way 2.3 GHz (31500-58800 CPW) Enterprise 5890<br/>           595 8/16-way 2.3 GHz (31500-58800 CPW) Standard 5870<br/>           595 16/32-way 2.3 GHz (61000-108000 CPW) Enterprise 5891<br/>           595 16/32-way 2.3 GHz (61000-108000 CPW) Standard 5871<br/>           595 32/64-way 2.3 GHz (108000-216000 CPW) Enterprise 5892<br/>           595 32/64-way 2.3 GHz (108000-216000 CPW) Standard 5802<br/>           570 1/4-way 4.7 GHz (500-21200 CPW) i5/OS Edition 5460<br/>           570 2/8-way 4.7 GHz (10800-40100 CPW) i5/OS Edition 5461<br/>           570 4/16 way 4.7 GHz (20100-76900 CPW) i5/OS Edition 5462</p> |



## Power6 CBU & Eligible Primaries

| CBU   | Eligible Primaries  |
|---|---|
| <p>570 1/8-way 4.7 GHz<br/>(5500-40100 CPW )<br/>i5/OS CBU 7058</p> | <p>570 13/16-way 1.65 GHz (36300-44700 CPW) Enterprise 7476<br/>           570 13/16-way 1.65 GHz (36300-44700 CPW) Standard 7475<br/>           570 4/8-way 2.2 GHz (16700-31100 CPW) Enterprise 7748<br/>           570 4/8-way 2.2 GHz (16700-31100 CPW) Standard 7758<br/>           570 5/8-way 1.65 GHz (15200-23500 CPW) Enterprise 7472<br/>           570 5/8-way 1.65 GHz (15200-23500 CPW) Standard 7471<br/>           570 8/16-way 2.2 GHz (31100-58500 CPW) Enterprise 7749<br/>           570 8/16-way 2.2 GHz (31100-58500 CPW) Standard 7759<br/>           570 9/12-way 1.65 GHz (25500-33400 CPW) Enterprise 7474<br/>           570 9/12-way 1.65 GHz (25500-33400 CPW) Standard 7473<br/>           595 16/32-way 1.65 GHz (46000-85000 CPW) Enterprise 7499<br/>           595 16/32-way 1.65 GHz (46000-85000 CPW) Standard 7498<br/>           595 16/32-way 1.9 GHz (51000-92000 CPW) Enterprise 7483<br/>           595 16/32-way 1.9 GHz (51000-92000 CPW) Enterprise 7904<br/>           595 16/32-way 1.9 GHz (51000-92000 CPW) Standard 7482<br/>           595 16/32-way 1.9 GHz (51000-92000 CPW) Standard 7903</p> |

## Power6 CBU & Eligible Primaries

### CBU

570 1/8-way 4.7 GHz  
(5500-40100 CPW )  
i5/OS CBU 7058

### Eligible Primaries

595 32/64-way 1.65 GHz (86000-165000 CPW) Enterprise 7985  
 595 32/64-way 1.65 GHz (86000-165000 CPW) Standard 7984  
 595 32/64-way 1.9 GHz (92000-184000 CPW) Enterprise 7487  
 595 32/64-way 1.9 GHz (92000-184000 CPW) Enterprise 7907  
 595 32/64-way 1.9 GHz (92000-184000 CPW) Standard 7986  
 595 32/64-way 1.9 GHz (92000-184000 CPW) Standard 7906  
 595 8/16-way 1.65 GHz (24500-45500 CPW) Enterprise 7497  
 595 8/16-way 1.65 GHz (24500-45500 CPW) Standard 7496  
 595 8/16-way 1.9 GHz (26700-50500 CPW) Enterprise 7481  
 595 8/16-way 1.9 GHz (26700-50500 CPW) Enterprise 7901  
 595 8/16-way 1.9 GHz (26700-50500 CPW) Standard 7480  
 595 8/16-way 1.9 GHz (26700-50500 CPW) Standard 7900  
 595 8/16-way 2.3 GHz (31500-58800 CPW) Enterprise 5890  
 595 8/16-way 2.3 GHz (31500-58800 CPW) Standard 5870  
 595 16/32-way 2.3 GHz (61000-108000 CPW) Enterprise 5891  
 595 16/32-way 2.3 GHz (61000-108000 CPW) Standard 5871  
 595 32/64-way 2.3 GHz (108000-216000 CPW) Enterprise 5892  
 595 32/64-way 2.3 GHz (108000-216000 CPW) Standard 5802  
 570 1/4-way 4.7 GHz (500-21200 CPW) i5/OS Edition 5460  
 570 2/8-way 4.7 GHz (10800-40100 CPW) i5/OS Edition 5461  
 570 4/16 way 4.7 GHz (20100-76900 CPW) i5/OS Edition 5462

# Power6 CBU & Eligible Primaries

| <b>CBU</b>  | <b>Eligible Primaries</b>   |
|---|---|
| <p>570 2/16-way 4.7 GHz<br/>(10800-76900 CPW )<br/>i5/OS CBU 7063</p> | <p>570 13/16-way 1.65 GHz (36300-44700 CPW) Enterprise 7476<br/>                     570 13/16-way 1.65 GHz (36300-44700 CPW) Standard 7475<br/>                     570 8/16-way 2.2 GHz (31100-58500 CPW) Enterprise 7749<br/>                     570 8/16-way 2.2 GHz (31100-58500 CPW) Standard 7759<br/>                     570 9/12-way 1.65 GHz (25500-33400 CPW) Enterprise 7474<br/>                     570 9/12-way 1.65 GHz (25500-33400 CPW) Standard 7473<br/>                     595 16/32-way 1.65 GHz (46000-85000 CPW) Enterprise 7499<br/>                     595 16/32-way 1.65 GHz (46000-85000 CPW) Standard 7498<br/>                     595 16/32-way 1.9 GHz (51000-92000 CPW) Enterprise 7483<br/>                     595 16/32-way 1.9 GHz (51000-92000 CPW) Enterprise 7904<br/>                     595 16/32-way 1.9 GHz (51000-92000 CPW) Standard 7482<br/>                     595 16/32-way 1.9 GHz (51000-92000 CPW) Standard 7903</p> |

## Power6 CBU & Eligible Primaries

### CBU

570 2/16-way 4.7 GHz  
(10800-76900 CPW )  
i5/OS CBU 7063

### Eligible Primaries

595 32/64-way 1.65 GHz (86000-165000 CPW) Enterprise 7985  
 595 32/64-way 1.65 GHz (86000-165000 CPW) Standard 7984  
 595 32/64-way 1.9 GHz (92000-184000 CPW) Enterprise 7487  
 595 32/64-way 1.9 GHz (92000-184000 CPW) Enterprise 7907  
 595 32/64-way 1.9 GHz (92000-184000 CPW) Standard 7986  
 595 32/64-way 1.9 GHz (92000-184000 CPW) Standard 7906  
 595 8/16-way 1.65 GHz (24500-45500 CPW) Enterprise 7497  
 595 8/16-way 1.65 GHz (24500-45500 CPW) Standard 7496  
 595 8/16-way 1.9 GHz (26700-50500 CPW) Enterprise 7481  
 595 8/16-way 1.9 GHz (26700-50500 CPW) Enterprise 7901  
 595 8/16-way 1.9 GHz (26700-50500 CPW) Standard 7480  
 595 8/16-way 1.9 GHz (26700-50500 CPW) Standard 7900  
 595 8/16-way 2.3 GHz (31500-58800 CPW) Enterprise 5890  
 595 8/16-way 2.3 GHz (31500-58800 CPW) Standard 5870  
 595 16/32-way 2.3 GHz (61000-108000 CPW) Enterprise 5891  
 595 16/32-way 2.3 GHz (61000-108000 CPW) Standard 5871  
 595 32/64-way 2.3 GHz (108000-216000 CPW) Enterprise 5892  
 595 32/64-way 2.3 GHz (108000-216000 CPW) Standard 5802

570 2/8-way 4.7 GHz (10800-40100 CPW) i5/OS Edition 5461  
 570 4/16 way 4.7 GHz (20100-76900 CPW) i5/OS Edition 5462

## CBU being used in the switchover mode

- **Optional license entitlements on the primary are transferable to the registered CBU**
  - **License Agreement for entitlement transfer Ts and Cs must be reviewed and agreed to by the customer.**
  - In an active “switchover” mode i5OS license entitlements and/or enterprise enablement's are allowed to be temporarily moved to the CBU edition.
  - Temporary means for as long as the registered primary system and the CBU are connected.
  - Only the optional license entitlements are transferable from the primary to the CBU
  - You will need at least one i5/OS Enterprise Enablement license on your new MMW 570 CBU if you are connecting to 570 primary with 5250.
  - CBU processors must be permanently activated to accommodate the licenses. (They will have to be lpar'd in a non-active partition if activated and not used)
  - Transferable license entitlements may not be used concurrently. They are used either on the primary system or on the CBU system.
  - CBU based license entitlements can't be transferred to the production system.
  
- **On/Off daily charges would apply to any processors used in the switchover that are not permanently activated.**
  - You need KEYS to activate processors –Temporary (On/Off) or permanent
  - i5OS keys are assigned to the production system are not required on the CBU for licenses temporarily transferred. IPLA software PIDs will require back-up keys.



## CBU being used **ONLY** Disaster Recovery Mode *(rare)*

- **Registration record will be checked upon disaster declaration**
- **See disaster definition/declaration on CBU Website**
- **Additional Processors on the CBU can be turned on and used at no additional charge in the event of a disaster**
  - Order Temporary Keys thru On/Off contract procedure
  - Keys are required to activate the required processors
  - Additional processors can be turned on at no charge up to the number required to replicate the production system.
  - On Demand Memory IS NOT included in Disaster Operations

# 9406-MMA CBU Edition Details

|  |          |          |          |
|--|----------|----------|----------|
|  |          |          |          |
| <b>N-way</b>                             | 1/4      | 1/8      | 2/16     |
| <b>Software tier</b>                     | P30      | P30      | P30      |
| <b>Server feature code</b>               | 4922     | 4923     | 4924     |
| <b>Processor feature code</b>            | 7380 x 2 | 7380 x 4 | 7380 x 8 |
| <b>Edition feature code</b>              | 7053     | 7058     | 7063     |
| <b>Base Processor Activation</b>         | 1        | 1        | 2        |
| <b>Priced Processor Activations</b>      | Optional | Optional | Optional |
| <b>Base i5/OS proc entitlement</b>       | 1        | 1        | 1        |
| <b>Priced i5/OS proc entitlement</b>     | Optional | Optional | Optional |
|  |          |          |          |
| <b>Base 5250 Enterprise Enablement</b>   | 0        | 0        | 0        |
| <b>Priced 5250 Enterprise Enablement</b> | Optional | Optional | Optional |
|  |          |          |          |
| <b>IBM Director for iSeries</b>          | Yes      | Yes      | Yes      |
| <b>IBM Web Enablement</b>                | Yes      | Yes      | Yes      |
| <b>iSeries Access (Unlimited users)</b>  | Yes      | Yes      | Yes      |
|  |          |          |          |
| <b>Optimum Care</b>                      |          |          |          |
| <b>Education Vouchers</b>                | 0        | 0        | 0        |
| <b>Service Vouchers</b>                  | 0        | 0        | 0        |
| <b>On site availability assessment</b>   | No       | No       | No       |

|                        |
|------------------------|
| <b>1/4-way MES Add</b> |
| 0/4                    |
| n/a                    |
| 5801                   |
| 7380                   |
| n/a                    |
| 0                      |
| 1 required             |
| 0                      |
| Optional               |
|                        |
| 0                      |
| Optional               |
|                        |
| n/a                    |
| n/a                    |
| n/a                    |
|                        |
| No                     |
| No                     |
| No                     |

1/4-way node (#5801) can be added to all 9406-MMA CBU Editions

## Frequently Asked Questions

- 1. What if I already have an Enterprise Edition such as a model 870 and I want to upgrade to the 570 CBU Edition. What happens to my i5/OS Licenses?**

*A: Any additional i5/OS licenses purchased on the i870 (or i90) will migrate. Normal upgrade rules apply.*

- 2. Assuming that I have purchased enough processor activations on the CBU Edition, can I switch to the CBU system and run there for as long as I want?**

*A: Yes, the switching process involves the temporary use of i5/OS and Enterprise Enablement entitlements, you will be required to tell IBM how many processors will be involved in the entitlement transfer.*

- 3. When I switch can I transfer both the i5/OS processor entitlements and Enterprise Enablements?**

*A: Yes, You are entitled to temporarily use the i5/OS licenses and or Enterprise Enablements from the primary system processor which is not in production. The state of a processor is the same as the state of the partition with which it is associated. For example, a four processor partition running at 25% utilization has four processors in production.*

- 4. Can I purchase additional processor activations after initial order?**

*A: Yes*

- 5. What are the rules for which kind of high availability solution I must use?**

*A: There are no rules regarding which solution you can use. Most customers will likely use one of the High Availability software solutions from an IBM ISV partner, some customers will use a Storage Server like the DS8000 and still others will use Cross Site Mirroring (XSM). You may even use a manual back up process.*

## Frequently Asked Questions

- 6. I have an i570 CBU with two base processors, one i5/OS processor license entitlement and one additional Enterprise Enablement. Can I run any workload I want with those base processors?**

*A: Yes. The first processor on the CBU Edition is fully licensed for any workload. The second processor may be used for failover (with transferred license entitlements from a primary system) OR i5/OS, Linux or AIX 5L may be purchased to run workload concurrently.*

- 7. Can I register my CBU to my model i870?**

*A: Yes. the primary server can be a POWER4 i825, 870 or 890.*

- 8. What happens if the registration process isn't completed?**

*A: the CBU will not be scheduled for manufacture and IBM will contact the IBM geo/country business development manager to resolve.*

- 9. Can I temporarily transfer my AIX 5L and my Linux OS License to my CBU system?**

*A: Yes*

- 10. Will I be able to transfer my Enterprise Enablements to a Standard Edition CBU?**

*A: No*

- 11. Are there any CPW prerequisites on the primary verses the CBU system?**

*A: Yes, Primary system must be same model and of equal or greater capacity that CBU system ordered, e.g. i570 2-4 way = i570 1-4 CBU*

- 12. How many System i systems can I pair with my CBU Edition for the purpose of doing temporary entitlement role swaps of the i5/OS and Enterprise Enablements?**

*A: Only one System i which is designated as the primary system (and must be owned by the customer) may be paired to a CBU for the purpose of role swap operations.*

## Frequently Asked Questions

**13. Can I support other non-System i servers with my CBU Edition to conduct backup recovery operations?**

*A: Yes, in fact you can add additional Linux and AIX 5L workload to the system assuming you have enough processors activated to support the workload.*

**14. Must every Licensed Program product that is installed on the primary system be purchased additionally on the CBU system?**

*A: No. IBM IPLA license agreements allow you to transfer Program Products to a backup server as long as the primary server is down or not in production. Of course, you should license any program products that are used on the CBU when the primary system is active.*

**15. Can I use the System i Capacity BackUp Edition for my IASP/switched disk implementation ?**

*A: Yes, in fact you may use any solution approach that you choose.*

**16. Can I use the System i Capacity BackUp Edition for tape backup?**

*A: Yes, but it is your responsibility to insure that you have sufficient resources such as processor activations, i5/OS Licenses and Enterprise Enablements to accomplish your business objectives.*

**17. I need to take my primary system down for two or three hours of maintenance, can I temporarily transfer i5/OS licenses and Enterprise Enablements from my primary system to my CBU system?**

*A: Yes, of course. However, remember, the transfer of the i5/OS processor entitlements requires that you not use the corresponding amount of resources on the primary machine while the entitlement is transferred to the CBU Edition.*



## Frequently Asked Questions

- 18. I have three distributed servers and I would like to back up to a Capacity BackUp offering. Can I do this?**

*A: The CBU edition is designed to be "paired" with and transfer licenses from a single primary system of equal or greater capacity. You may attach more than one system to the CBU however license transfer can occur only from one pre-registered primary system.*

- 19. Can a business recovery service provider use the System i Capacity BackUp offering to support multiple customers?**

*A: CBU is designed and priced to support one primary system within the same enterprise.*

- 20. Customer has primary EE, wants to upgrade "older" 8xx to CBU to match primary, but older 8xx is Standard edition (which only upgrades to standard edition CBU) can they do it?**

*A: No.*

- 21. Customer has two i595s in the same data center doing HA by running 50% production on each machine, and backup 50% of each machine to the other (world class HA). With that said, how could I locate a CBU box at a separate location and get both i595 production machines on the CBU box?**

*A: Special bid, the CBU Edition is designed to allow transfer of entitlements from only one pre registered primary machine.*

## Frequently Asked Questions

- 22. How does the automatic flow of licenses between the primary and CBU box occur? Is there something that has to be done other than sign the contracts and register CBU machine? Can the customer switch the workloads at anytime without any notification to IBM?**

*A: The only thing the customer needs to do is to register the number i5/OS license entitlements and Enterprise Enablements on the primary system that they choose to use in role-swap environment. These entitlements may be used on either the primary system or the CBU system but not both at the same time.*

- 23. What is a role swap environment?**

*A: The work on processor one processor is transferred to another processor on another system. This type of operation is typically done for maintenance or for the recovery from an unplanned outage or for testing purposes. The key point here is that work is transferred from one system to another.*

- 24. I want to implement two 8-way i570s and I want to split the workload and the backup so that 4 of the processors on the i570 Enterprise Edition are backed up by 4 processors on the i570 CBU, and 4 processors on the CBU are backed up on the i570 Enterprise Edition. Can i do this?**

*A: yes, but remember the CBU can't be the "source" of the entitlements. What you need to do is to purchase the activations and entitlements on the i570 Enterprise Edition and transfer four of them to the CBU. The entitlements must always originate on the primary server and if the primary system were sold, the entitlements go with the primary system. This is why we say that they are "temporary" when utilized on the CBU.*

- 25. Can the CBU ever function as a stand alone production system ?**

*A: No. The CBU is registered with a specific primary system and must remain paired with that system to be in compliance..*

## i5/OS Temporary Transferal Mechanics

- Every System i machine comes with an i5/OS license. The customer also has a specific number of “i5/OS processor license entitlements” (commonly called i5/OS licenses or i5/OS processor licenses).
- A software key tells each system’s license manager how many i5/OS processor license entitlements each system has. If the customer ever runs/assigns more i5/OS work than the system has entitlements; then messages are periodically issued to the operator indicating the system is out of license compliance. By the terms of the IBM licensing agreement, the customer must then bring the system into compliance by either a) reducing i5/OS workload or b) adding i5/OS processor license entitlements.
- Signing the additional license agreement for CBU temporary transfers documents that IBM and the customer understand when entitlements can be transferred from the primary to the CBU system. (Signature is either a real signature or a “click to accept”.)
- **IMPORTANT** ... when entitlements are temporarily transferred to the CBU system, the software key information on neither machine is altered. Thus the CBU system will issue the out-of-compliance message indicating i5/OS is out of compliance. The additional license agreement terms give permission to the customer under this situation to ignore these messages. The customer agrees to monitor the i5/OS usage on both the primary and CBU systems to ensure the i5/OS usage on the pair of machines does not exceed the total number of i5/OS processor license entitlements.

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