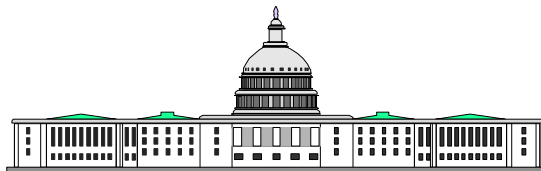

WLM RESOURCE GROUPS

WSC Performance Team
IBM
Washington Systems Center
Advanced Technical Support



WLM RESOURCE GROUPS

- **What is a Resource Group ?**
- **Why use a Resource Group ?**
- **How do you define one ?**

What is a Resource Group ?

An amount of processing capacity across one or more MVS images, assigned to one or more service classes.

- Defined in terms of CPU SU/SEC. The user defined CPU co-efficient is not used.
- List of SU/SEC is in Appendix B of the WLM Planning manual

Why use a Resource Group ?

Limit or Guarantee resource capacity

- SLA's specify a specific amount of service
- Service is sold to others in discreet amounts
- Ensure discretionary work receives a minimum amount of capacity
- Prevent a dominant workload from monopolizing the capacity

Things to keep in mind

- Service Class Goals (are they achievable ?)
 - Resource groups prevail
- Resource Group is the amount of capacity across the sysplex (for goal mode systems only)
- Not valid for transaction oriented work
(assign regions to group)
- Only 1 RG can be assigned to a SC: multiple SC can use a RG
- Up to 32 RG per service definition

Things to keep in mind

- Resource is defined in service units per second
Maximum value (no default) -- Minimum value (default 0)
- Minimum has no effect when work in a resource group is meeting its goals
Minimums for discretionary work are effective only if actions do not cause others to miss their goals

How do you define one ?

ISFP WLM APPLICATION

Select one of the following options...____



1. Policies
2. Workloads
- 3. Resource Groups**
4. Service Classes
5. Classification Groups
6. Classification Rules
7. Report Classes
8. Service Coefficients/Options
9. Application Environments
10. Scheduling Environments

How do you define one ?

Create a Resource Group

Command ==> _____

Enter or change the following information:

Resource Group Name **_LIMIT_** (required)

Description **_ limit group for xyx _**

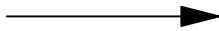
Minimum Capacity **_500_**

Maximum Capacity **_2000_**

How do you define one ?

ISFP WLM APPLICATION

Select one of the following options ____



1. Policies
2. Workloads
3. Resource Groups
4. **Service Classes**
5. Classification Groups
6. Classification Rules
7. Report Classes
8. Service Coefficients/Options
9. Application Environments
10. Scheduling Environments

How do you define one ?

Modify a Service Class Row 1 to 2 of 2

Command ==> _____

Service Class Name : BAT_HI

Description Batch High Velocity

Workload Name BAT_WKL (name or ?)

Base Resource Group **LIMIT** (name or ?)

Specify BASE GOAL information. Action Codes: I=Insert new period,
E=Edit period, D=Delete period.

SUMMARY

- ✓ In general, don't use resource groups
Let workload management decide how to best manage work
- ✓ Use resource groups only when/if necessary
- ✓ Use caution when specifying MIN/MAX values
(other work may suffer)